

Layered Case Histories

1. A 32 year-old female has slight hypochondrial distention, bright-purple spots under the skin, burning epigastric pain, thirst with desire to drink cold, dry mouth, mental restlessness, feverish at night, epistaxis, bleeding gums, premenstrual tension, scanty periods, tingling limbs, depression, and frequent sighing. The tongue is red, yellow-dry coating with red points. The pulse is fast, choppy. What are the patterns?

- a Stagnant Qi; Stagnant Blood; Stomach Fire
- b Stomach Heat; Stagnant Liver Qi, Deficient Blood
- c Stomach Fire; Blood Heat; Deficient Liver Blood
- d Liver Fire Attacking Stomach; Deficient Liver Blood

2. A 72 year-old male has edema in the ankles and legs, dizziness, numbness of limbs, cold feelings in legs and back, feels cold, muscular weakness, muscle spasms and cramps, severe palpitations, insomnia, fullness and distension in abdomen, shortness of breath, stools are wet but formed. He has purpura and blood spots under the skin. The urine is scanty-clear with specks of blood. He has dry skin and hair, and whitered nails. The tongue is pale, swollen and dry. The pulse is fine, weak, and slow. What are the patterns?

- a Deficient Blood; Deficient Qi; Cold; Qi not holding Blood
- b Spleen not holding Blood; Deficient Liver Blood; Kidney Yang Xu, water overflowing to Heart
- c Heart Blood Deficiency; Liver Blood Deficiency; Deficient Kidney Qi; Deficient Spleen Qi
- d Deficient Kidney Yang; Deficient Heart Blood; Deficient Liver Blood

3. A 27 year-old male has a slight cough with low sound, sticky yellow nasal discharge with tenderness over maxillary sinuses, headaches, sweats easily, has restless sleep, nightmares, thirst, weak voice, bitter taste, tiredness, dark urine, feeling of heat. The tongue has red sides. The moss is yellowish. The pulse is slippery and wiry. What are the patterns?

- a Liver attacking Lungs; Hyperactive Liver Yang; Phlegm Obstructing Lungs
- b Liver Fire Blazing; Lung Phlegm-Heat; Deficient Lung Qi
- c Heart Fire Blazing; Liver and Gall-Bladder Heat; Deficient Qi
- d Phlegm Heat Harrassing the Mind; Phelgm Obstructing Lungs; Liver Fire Blazing

4. A 65 year-old female has sinusitis with yellow-purulent discharge. She has repeated attacks of cough with profuse expectoration of white-sticky sputum. The cough worsens in the morning and after eating. The eyes are bloodshot. She has headaches in the temple area. She has been experiencing numbness and weakness in the limbs which have a bluish color to them. She has pain on flexing her limbs. She has oppression in the chest, dizziness, withered lips, breathlessness, bitter taste, and dry stools. The tongue is pale purplish with red sides. The coating is a mixture of thick white and yellow moss. The pulse is slippery, wiry, and choppy. What are the patterns?

- a Wind in the Channels; Stagnant Blood; Phlegm-Heat; Liver Fire
- b Liver Fire Blazing; Phlegm-Heat in Lungs; Deficient Blood leading to Blood Stasis
- c Damp-Phlegm in Lungs; Liver Gall Bladder Fire; Blood Stasis in Channel
- d Liver Yang Rising with Wind; Cold-Phlegm transforming into Phlegm-Heat

5. A 54 year-old male has dry cough and throat, burning sensation and pain in the epigastrium, night sweats, thirst with desire for cold drinks, palpitations, insomnia, sour regurgitation, and constipation. The tongue is red with a redder tip and a midline crack. There is some but not much thick-yellow dry coating. The pulse is fast, slippery, and empty. What are the patterns?

- a Lung Heat; Heart Fire Blazing; Phlegm Fire
- b Kidney and Heart not Harmonized; Stomach Fire; Kidney and Lung Yin Deficiency
- c Deficient Kidney Yin; Heart Fire Blazing; Stomach Heat
- d Empty Kidney Fire; Phlegm Fire; Deficient Heart Yin

6. A 23 year-old female has frequent stools with fresh blood and mucous. The stools are offensive. She has tiredness which is worse in the afternoon, abdominal distention, lower abdominal pain before her period that is alleviated by heat and made worse when she eats ice cream. Her menstrual blood is scanty with dark clots. She is depressed and sighs a lot. Her back is sore. She has thirst without wanting to drink. The tongue is red with a purplish tinge. The coating is yellow and sticky on the root with red dots. The pulse is slippery, fast, and choppy. What are the patterns?

- a Liver Qi Stagnation; Damp-Heat in Intestines; Cold Stagnation in Uterus
- b Stagnant Liver Blood; Kidney Yang Deficiency; Heat Obstructing Large Intestine
- c Damp-Heat; Stagnant Blood; Stagnant Qi; Empty Cold
- d Obstruction of Spleen by Damp-Heat; Stagnant Liver Qi; Deficient Kidney Yang with Empty Cold

7. A 32 year-old male patient has inability to walk because he can't lift his foot properly, dry throat, dry cough, hoarse voice, a constant low-grade fever which does not improve with sweating and gets worse in the afternoon, exhaustion, breathlessness, night sweating, cloudy and scanty-dark urine with fresh blood, mental restlessness, bitter taste, insomnia, feeling of heaviness in body, feeling of heat in the feet, edema of the legs, and tongue ulcers. The tongue is red at the tip with no coating. The rest of the tongue has yellow-sticky coating. There are red spots on the root of the tongue. The pulse is thin, fast and slippery. What are the patterns?

- a Lung Yin Deficiency; Invasion of Damp-Heat; Bladder-Heat
- b Deficient Lung Qi; Accumulation of Dampness; Liver Yin Deficiency with Empty Fire
- c Heart Fire Blazing; Spleen Damp-Heat; Lung Yin Deficiency
- d Hyperactive Liver Yang; Bladder Damp-Heat; Lung Qi Deficient

8. A 43 year-old nervous female has difficulty with bowel movements with thin and long stools which are not dry. She feels exhausted afterwards. She has breathlessness, difficulty breathing out, a feeling of oppression in the chest, and cough with profuse sticky-white sputum. She has scanty dark urine, vaginal discharge, a pale complexion, tiredness, muscular weakness, and poor appetite. She has headaches that usually occur in the temples and move from one side to the other. The headaches worsen under stress. She has scanty menstrual bleeding, bleeding occurs mid-cycle, sticky, yellow-brown discharge appears before bleeding starts, no clots. The tongue is pale with thick moss. The pulse is slippery and weak. What are the patterns?

- a Liver Qi Stagnation; Damp-Heat in uterus; Spleen Qi Deficiency; Turbid-Phlegm in Lungs
- b Stagnant Liver attacking Spleen; Deficient Blood, Spleen Qi and Lung Qi; Phlegm-Dampness obstructing Spleen
- c Damp-Heat in lower burner; Deficient Qi; Phlegm Obstructing Lungs; Stagnant Liver attacking Spleen
- d Obstructed Lung Qi; Spleen Damp-Heat; Stagnant Liver Qi; Deficient Qi and Blood

9. A 15 year-old male patient has aversion to cold, chest oppression, nocturnal enuresis, diarrhea like water with no foul smell, abdominal gurgling, nasal obstruction, no appetite, hard and immovable abdominal lumps, abdominal distention, restless sleep, nightmares, wakes up often, feeling of heaviness in the body, headache with heavy head, thirst with bitter taste. The tongue is red with a purplish tinge. The coating is thick-sticky-yellow. The pulse is wiry and slippery. What are the patterns?

- a Stagnant Qi and Blood; Retention of Cold-Damp; Liver-Fire infusing downwards
- b Deficient Spleen Yang; Stagnant Blood; Damp-Heat in the lower burner
- c Liver Fire Blazing; Stagnant Blood; Deficient Spleen and Kidney Yang
- d Heart Fire Blazing; Deficient Spleen Yang with dampness accumulating; Stagnant Qi and Blood

10. A 32 year-old female just recently has had a bout of cough with blood-tinged sputum, nosebleed, with a dry mouth and nose. She has a history of abdominal pain that comes in bursts and improves with rest. She also has severe dizziness not improved with lying down. Other symptoms include loose stools, tinnitus, aversion to cold, reddish tinge in her face, a desire for warm drinks, migraines, depression, and slight breathlessness. The tongue has a red tinge on the sides with the rest being

slightly pale. The front part of the tongue is dry. The pulse is fast, wiry, and gives in when pressed. What are the patterns?

- a Deficient Spleen Yang; Liver Yang; Wind Dry-Heat
- b Deficient Spleen and Kidney Yang; Liver Fire Invading Lungs
- c Deficient Liver and Kidney Yin; Deficient Spleen Yang
- d Blood Heat; Deficient Kidney Yang; Stagnant Liver Qi

11. A 47 year-old female has fibroids, lymph node swelling, and swelling of the nerve ganglia. She has lumps under her skin, red skin eruptions, dry mouth, mental depression, a bearing down sensation in her lower abdomen, a prolapsed uterus. The tongue is red. The pulse is empty and fast. What are the patterns?

- a Sinking Qi; Blood Heat; Non-substantial Phlegm
- b Blood Heat; Congealed Phlegm; Deficient Qi
- c Congealed Phlegm; Qi Stagnation; Deficient Qi
- d Qi Stagnation; Sinking Qi; Excess Internal Heat

12. A 32 year-old female has a propensity for catching colds and giddiness. Before becoming ill her pulses were deep-fine with both rear positions weak and her tongue pale-purple and dry. She became ill last week with temperature of 101 degrees F, feelings of heaviness in the body, body aches, headache, and buzzing in the ears. Now since becoming recently sick, she has a constant temperature of 99.5 degrees F, lack of balance and coordination, tinnitus, nystagmus, extreme tiredness, poor sleep, lethargy, feelings of heaviness in the legs, numbness of limbs, and occipital headache. What are the patterns?

- a Stagnant Blood; Excess Damp-Heat; Deficient Yin and Deficient Yang
- b Kidney Yang Xu; Acute Damp-Heat; Liver Wind with steaming damp-heat
- c Wind-Heat; Liver Yang Rising; Deficient Spleen Qi with Damp-Heat
- d Liver and Kidney Yin Xu; Acute attack of Wind-Damp; Spleen Damp-Heat

13. A 42 year-old female has numbness in legs, irritability, and asthma with a barking cough. She coughs up yellow sputum. She has constipation that alternates with loose stools. She has flatulence, poor appetite, and abdominal distention. She has scanty menses. She has shortness of breath and stuffy sensation in the chest. She complains that sometimes her eyelids spontaneously flicker. She complains of tiredness. The tongue is pale with thick-sticky yellow coating. The pulse is choppy, slippery, and wiry. What are the patterns?

- a Phlegm Obstruct Lungs; Deficient Spleen Qi; Liver Blood Xu
- b Deficient Spleen Qi; Liver Qi Stagnation; Lungs Obstructed by Phlegm
- c Liver Insults Lungs; Deficient Spleen Qi with Accumulation of Damp-Phlegm
- d Liver Blood Xu Stirs Wind; Liver Invades Spleen; Lung Phlegm-Heat

14. A 82 year-old female has night sweats, insomnia, palpitations, shortness of breath, sneezing, stuffed nose, weak and shallow breathing, profuse sweating, cold limbs, bluish lips, itchy throat during the day and dry throat at night, sore low back, dry stools, scanty dark urine, very tired, and malar flush. She has body aches and an occipital headache. The tongue is very pale with a bluish-purple tinge. The tongue is cracked with a red tip. The pulse is hidden, minute, and empty. What are the patterns?

- a True Cold False Heat; External Cold; Internal Deficiency
- b Deficient Kidney Xu Empty Fire; Heart Yang Collapse; Wind-Cold Invades Lungs
- c Deficient Heart Yin and Yang; Wind-Cold invades Exterior
- d Deficient Heart Yang; Deficient Kidney Yin and Yang; Wind-Dry Invades Lungs

15. A 32 year-old woman has had epilepsy since the age of 15. She has severe convulsions with loss of consciousness and foaming at the mouth. She has a history of migraines, tinnitus, and irritability. The pulse is fine, fast, and a little wiry. The tongue is red and with redder sides, stiff and with thick-

sticky yellow coating. What are the patterns?

- a Liver Wind; Phlegm; Spleen Qi Xu; Liver Blood Xu
- b Liver Fire Blazing; Phlegm-Wind; Deficient Blood
- c Liver Yang Rising; Phlegm Misting the Mind
- d Deficient Liver Blood and Yin; Excess Internal Phlegm-Wind

16. A 34 year-old male has a sore back, weak and cold knees and a sensation of fullness over the bladder with pain radiating to the scrotum and testis. The back pain and genital pain improve with warmth. He has a poor appetite and nausea with difficulty digesting fats. Urination sometimes alternates between scanty-clear and scanty dark. He has no desire to drink. He says that his wife wants to have more sex than he wants. Palpation of the anterior lower rib cage has tenderness as well as the lower back. He sometimes complains of feverish sensations. The tongue is pale and swollen and wet. The coating is thick-yellow on one side and thin-white on the other. The pulse is wiry, slippery, weak, and slow. What are the patterns?

- a Kidney Qi Deficiency with stagnation of Excess Cold; Stomach Fire
- b Spleen Damp-Heat; Kidney Yang Deficiency; Bladder Damp-Cold
- c Kidney Yang Deficiency; Damp-Heat in Liver and Gall Bladder
- d Kidney Yang Deficiency; Liver Channel Cold; Gall Bladder Damp-Heat

17. A 42 year-old female has had severe abdominal and hypogastric pain for three months. During the pain she had a slight fever and the pain was so severe she doubled up from the spasms. After each attack the stools were loose and she felt weak. Now the abdominal pain is sometimes triggered after exertion and worse from pressure. She also has vaginal discharges, poor appetite, weak legs, and general exhaustion. Recently she has had bleeding between periods and edema of the ankles. Her voice is weak and withdrawn. The tongue is peeled except for a thin yellow coat at the center. The tongue body is thin with cracks on the root. The pulse is fast, slippery, and floating-empty. What are the patterns?

- a Spleen Damp-Heat; Deficient Qi; Deficient Stomach Yin
- b Deficient Kidney Yang; Deficient Stomach Yin; Damp-Heat
- c Spleen Qi Deficiency; Kidney Yin Deficiency; Damp-Heat
- d Deficient Kidney Yin; Deficient Spleen and Stomach Qi

18. A 27 year-old female complains of difficulty in asking his boss for a raise. She is timid in her relationships and complains of being nervous alot and easily startled. She has difficulty going up the stairs due to her knees not feeling strong. She has palpitations and shortness of breath with very little activity. She sighs frequently during the interview. She complains of often being tired. She has dribbling after urination and chronic vaginal discharges. The tongue is pale. The pulse is deep, weak, and empty. What are the patterns?

- a Heart Blood Deficient; Deficient Kidney Qi; Deficient Lung Qi
- b Deficient Kidney Qi; Deficient Heart Blood; Stagnant Liver Qi
- c Deficient Kidney Qi; Deficient Heart Qi; Deficient Gall Bladder
- d Deficient Spleen Qi; Deficient Kidney Qi; Deficient Heart Qi

19. A 57 year-old male has asthma, difficulty inhaling, fast and weak breathing, cough with blood-tinged yellow sputum, migraines, dizziness not improved with rest, whole face is red, epigastric pain, dry mouth and throat especially in the afternoon with increased sensations of heat in the afternoon, fullness after eating, sore back, cold limbs after sweating, constipation. The tongue is red with redder sides. The front part of tongue is swollen. There is yellow coating without root. The pulse is wiry, slippery, and slightly floating-empty with the rear position deep and weak. What are the patterns?

- a Liver Yang Rising; Phlegm Obstructs Lungs; Stomach Fire
- b Liver Attacks Stomach; Deficient Lung Yin; Deficient Kidney Yin
- c Liver and Kidney Yin Deficiency with Empty Heat; Deficient Stomach Qi
- d Liver Fire Insults Lungs; Stomach Yin Xu; Kidneys Not Grasping Qi

20. A 22 year-old female has severe anxiety, insomnia, worrying, palpitations, and mental restlessness. She has headaches affecting the right eye. The headaches are severe and throbbing. Her periods are irregular, sometimes late and sometimes early. They are heavy and the blood is dark with clots. She has pre-menstrual irritability. The tongue is deep-red with red dots along the sides and tip. The tip is redder and swollen. The tongue coating is thick and yellow. The pulse is wiry and fine. What are the patterns?

- a Deficient Heart Blood; Liver Yang Rising; Stagnant Liver Qi
- b Stagnant Liver Qi; Liver Fire; Deficient Heart Yin
- c Deficient Kidney and Heart Yin; Liver Stagnant Qi and Blood
- d Liver Fire; Heart Fire; Stagnant Liver Blood

21. A 67 year-old male has sore muscles and joints, with limitation of movement. The pain is in one joint one day and another joint the next. He has a slight cough with low sound. He does not expectorate any phlegm. There is insomnia with frequent waking and difficulty falling asleep. He sweats easily during the day with little exertion and also finds his pillow wet during the night as well as dryness in the throat. At night he likes to sleep with one foot sticking out of his blanket. He has a weak voice and tiredness. He complains of poor memory, palpitations, and dizziness. When the weather changes he easily catches cold. He has tinnitus and back pain. The pulse is floating and empty. The tongue is pale with a red tip. What are the patterns?

- a Deficient Qi; Deficient Blood; Deficient Yin; Empty Fire
- b Lung Qi Xu; Wind obstructing joints; Heart and Kidney not harmonized
- c Deficient Heart Yin; Wind-Cold invades Lungs; Deficient Kidney Yang
- d Deficient Kidney Yin; Deficient Qi; Deficient Heart Blood; Wind-Cold

22. A 45 year-old woman has persistent and profuse uterine bleeding which starts with the period and lasts for 3 weeks. The blood is dark at first and then becomes clear. There is pain. She has PMS with irritability and swelling of the breasts. She easily tires, does not sleep well, and sweats at night. She has frequent urination and goes at night. She has loose stools and feels thirsty. She feels both hot and cold. She is overweight. The tongue is slightly red with purple and slightly pale on the sides. It is peeled in the center with rootless coating on the root. The tongue has cracks in the center and root. The pulse is very deep and weak. What are the patterns?

- a Stagnant Liver Qi & Blood; Kidney Yin Xu; Spleen Yang Deficiency; Kidney Qi Xu
- b Deficient Qi and Blood; Deficient Yin and Yang; Stagnant Qi; Hot Blood
- c Kidney Yin & Yang Xu; Stomach Yin Xu; Liver Blood Xu; Stagnant Liver Qi & Blood
- d Hot Blood; Stagnant Liver Qi; Spleen Yang Deficiency; Kidney Yin Deficiency

23. A 72 year-old female has had breathlessness worse with exertion for 5 years. She has a history of TB of the lungs. She currently feels exhausted, coughs up blood tinged sputum. She is sensitive to cold which immediately affects her chest and causes bronchitis with profuse yellow-green sputum. She has night sweats, dry throat, and a feeling of heat in the afternoon. She is overweight. The tongue is slightly red, swollen, and with a rootless coating in the front part. The pulse is slippery. What are the patterns?

- a Kidney Yin Xu; Lung Dryness; Phlegm
- b Lung Heat; Deficient Kidney Yin; Empty Fire
- c Lung Yin Xu; Spleen Qi xu causing Phlegm
- d Wind-Cold; Lung Yin Xu; Spleen Qi Xu

24. A 44 year-old male has sinusitis and insomnia as the main complaints. He wakes up during the night and talks in his sleep. He has a sticky and yellow nasal discharge, impaired sense of smell, frontal headaches, blurred vision, irritability, sticky taste in mouth, red cheeks, dry lips, feeling of heat, sensation of oppression in chest, sore and dry eyes, sensation of heaviness in head, dry skin and dry hair. The tongue is red with no coating in the front and sticky-yellow coating in the center. The pulse is slippery and floating-empty. What are the patterns?

- a Empty Fire; Hot Phlegm; Deficient Blood
- b Liver Phlegm-Fire; Deficient Liver Blood; Spleen Dampness
- c Liver and Gall Bladder Fire; Liver Yin Deficiency
- d Liver Yin Deficiency; Stomach and Spleen Damp-Heat

25. A 37 year-old female has very painful periods. The blood is dark and clotted. With her period she has distention of the breasts. She also has abdominal pain mid-cycle. She has thin-white vaginal discharge, chilliness, eye floaters, dizziness, and her body feels heavy. The tongue is swollen and bluish with dirty-sticky coating. The pulse is deep and choppy. What are the patterns?

- a Stagnant Liver Qi and Blood; Blood Xu; Spleen Yang Xu with Dampness
- b Stagnant Blood; Deficient Blood; Stagnant Qi; Deficient Qi
- c Stagnant Liver Qi; Cold Congealing Blood; Deficient Qi and Deficient Blood
- d Stagnant Qi; Stagnant Blood; Accumulation of Dampness

26. A 39 year-old female has abundant menstrual bleeding with sticky blood and a yellow-brown discharge before the bleeding starts. No clots are present. There are vaginal discharges. She has difficult urination, burning pain when urinates, blood in the urine, and fullness and pain in the hypogastrium. She has abdominal pain which worsens with pressure and after eating, with fullness in the abdomen. She has reddish eruptions on the elbows and knees. There is acid reflux in the esophagus and diarrhea which relieves the abdominal pain. The tongue is red with sticky yellow coating. The pulse is slippery, full, and fast. What are the patterns?

- a Hot Blood; Spleen Not Holding Blood; Hot Phlegm
- b Bladder Damp-Heat; Spleen Damp-Heat; Stomach Heat
- c Blood Heat; Damp-Heat in uterus; Retention of Food
- d Spleen not Holding Blood; Bladder Damp-Heat; Rebellious Stomach Qi

27. A 22 year-old female complains of muscle pain in the neck, shoulders, and arms. She says she is extremely tired. Problem started 6 months previously when she got the flu with sore throat, achy joints, and fever. After three weeks she started to have joint and muscle pains, and increased temperature at night. She also felt hot and cold and heavy in her body. This went on for 5 months. She had poor appetite, disturbed sleep, and epigastric distention after eating. The tongue is normal color but with sticky-yellow coating on the root and center. The pulse is weak and floating. What are the patterns?

- a Deficient Spleen Qi; Invasion of Damp-Heat; Damp-Heat retention in muscles
- b Invasion of Damp-Heat; Deficient Yin with Empty fire; Deficient Spleen Qi
- c Empty Fire; Deficient Qi; Damp-Heat
- d Invasion of Wind-Cold; Deficient Spleen Qi; Interior Damp-Heat

28. A 25 year-old female has mental confusion, poor appetite, blurred vision, agitation, scanty menses, thirsty but drinks in small sips, depression, dizziness, numbness, nausea, rash behavior, muscle spasms, loose stools with offensive odor, brittle nails, scanty-dark urine, insomnia, and low-grade fever. The tongue is red with sticky-yellow coating. The pulse is slippery, fast, and choppy. What are the patterns?

- a Heart Fire Blazing; Damp-Heat in Intestines; Deficient Spleen Qi
- b Liver Fire Blazing; Heart Fire Blazing; Spleen Damp-Heat
- c Spleen Damp-Heat; Heart Phlegm-Fire; Deficient Liver Blood
- d Deficient Heart Blood; Liver Wind Agitating; Damp-Heat in Intestines

29. A 55 year-old female lost her sense of smell and taste five years ago. She has a history of a sensation of a knot in the stomach. She has nausea. She is thirsty and drinks large amounts of water during the day. She has poor appetite and loose stools. She complains of bleeding gums. The tongue is red in the center with dry and yellow coating. The pulse is full and wiry. What are the patterns?

- a Stomach Phlegm-Fire; Liver attacks Spleen
- b Liver attacks Spleen and Stomach
- c Stomach Heat; Deficient Spleen Qi
- d Phlegm-Heat; Stagnant Liver Qi; Spleen Qi Xu

30. A 77 year-old male has difficult bowel movements. He feels exhausted and sweats after defecation. Sometimes there is blood in the stools. He has epigastric pain that is worse with pressure and after eating. There are palpable masses in the abdomen. The pain is worse at night when he sometimes vomits a little dark blood. He has bleeding gums which are swollen and painful. He often has frontal headaches. He is thirsty and has frequent urination. He finds that he needs to wear sweaters when others do not. He has a sore back and weak knees. The tongue is pale with red and purple in the center. The pulse is wiry, weak, and fast. What are the patterns?

- a Stomach heat; Deficient Kidney Yang; Stomach Stagnant Blood
- b Stomach Stagnant Blood; Deficient Kidney Yang; Spleen not Holding Blood
- c Liver Attacks Stomach; Deficient Kidney Yang; Stagnant Blood
- d Deficient Qi and Yang; Stagnant Blood and Qi; Hot Blood

Answers:

- 1. c
- 2. b
- 3. b
- 4. c
- 5. b
- 6. a
- 7. a
- 8. a
- 9. a
- 10. a
- 11. a
- 12. b
- 13. d
- 14. b
- 15. a
- 16. d
- 17. c
- 18. c
- 19. d
- 20. d
- 21. b
- 22. c
- 23. c
- 24. d
- 25. a
- 26. c
- 27. a
- 28. c
- 29. c
- 30. a