

Water Cycle Quiz

Ten questions on the whole series. Answer them all, then turn the page round to check.

1 Which process turns liquid water into invisible water vapour?

A Condensation

B Evaporation

C Precipitation

D Infiltration

2 Plants release water vapour through tiny pores in their leaves. What is this process called?

A Transpiration

B Percolation

C Runoff

D Deposition

3 Roughly what share of all Earth's water is in the oceans?

A About 2.5%

B About 30%

C About 71%

D About 96.5%

4 On average, how long does a water molecule stay in the atmosphere?

A About 9 hours

B About 9 days

C About 9 years

D About 3,000 years

5 Rising air cools. What does its water vapour need to condense on to form cloud droplets?

A Lightning

B Tiny particles such as dust, salt or smoke

C Strong wind

D Direct sunlight

6 Which type of precipitation grows bigger as rising air keeps it inside a thunderstorm cloud?

A Drizzle

B Snow

C Hail

D Dew

7 Frost forms when water vapour turns straight into ice. What is this change called?

A Sublimation

B Deposition

C Condensation

D Melting

8 The white cloud above a boiling kettle is often called steam. What is it really made of?

9 Rain falls on a sandy field and on a car park. Where does more water soak into the ground, and what is that process called?

10 True or false: raindrops are shaped like teardrops. Explain your answer.

ANSWERS

7. B: Deposition (sublimation is the reverse: ice to vapour)

8. Tiny liquid water droplets. Water vapour is invisible; it condenses into droplets when it meets cooler air.

9. The sandy field. Soaking in is infiltration.

10. False. Small drops are nearly round; bigger ones are flattened underneath like a burger bun, and the largest break up.

11. C: Hail

12. B: Transpiration (the pores are called stomata)

13. D: About 96.5% (71% is how much of Earth's surface is covered by water)

14. B: About 9 days

15. B: Tiny particles such as dust, salt or smoke (cloud condensation nuclei)

16. C: Hail

17. A: Condensation

18. A: Drizzle

19. B: Snow

20. D: Dew

21. C: Hail

22. B: Snow

23. C: Hail

24. D: Dew

25. A: Drizzle

26. B: Snow

27. C: Hail

28. D: Dew

29. A: Drizzle

30. B: Snow

31. C: Hail

32. D: Dew

33. A: Drizzle

34. B: Snow

35. C: Hail

36. D: Dew

37. A: Drizzle

38. B: Snow

39. C: Hail

40. D: Dew

41. A: Drizzle

42. B: Snow

43. C: Hail

44. D: Dew

45. A: Drizzle

46. B: Snow

47. C: Hail

48. D: Dew

49. A: Drizzle

50. B: Snow

51. C: Hail

52. D: Dew

53. A: Drizzle

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