

Answers

Cloud Quiz

Multiple Choice

b 1. Which part of the water cycle takes place when water changes from gas to liquid or solid (ice) because of cooler temperatures? Clouds are formed as a result.

- a. Precipitation
- b. Condensation
- c. Clumping
- d. Evaporation

c 2. Which explanation is the best reason for why some clouds do not produce rain?

- a. The temperature of the cloud is too hot
- b. The clouds are too low to the ground
- c. The water drops are very light and can stay afloat with a little wind
- d. The cloud needs to combine with other clouds first

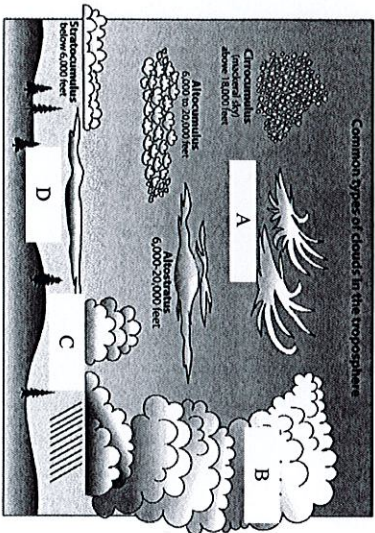
d 3. Which type of weather tool can track the movement of clouds and rain totals?

- a. Thermometer
- b. Rain gauge
- c. Barometer
- d. Radar

a 4. Which of the following is probably not a danger from a cloud?

- a. Dew
- b. Lightning
- c. Hail
- d. Tornado

Labeling



- c 5. Cumulus
- d 6. Stratrus
- b 7. Cumulonimbus
- a 8. Cirrus

Matching

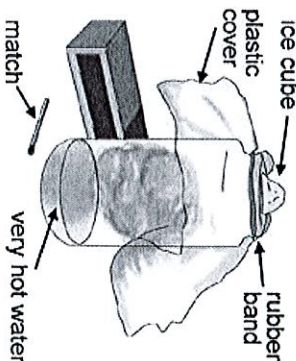
- d 9. Stratrus
- b 10. Cumulus

a 11. Cumulonimbus

c 12. Cirrus

Bonus (1 pt each)

Students did an experiment to find out how hot the water had to be in a bottle in order to make a cloud. The set up is shown below. Answer the following questions based on this experiment.



b What is the independent variable?

- a. Amount of ice on top of jar
- b. Temperature of hot water
- c. Size of jar
- d. Thickness of plastic cover

a What is the dependent variable?

- a. Amount of cloud in jar
- b. Time the match is lit
- c. Type of water used
- d. Humidity of room

a Which hypothesis is most appropriate for this experiment?

- a. If colder water is used, then a larger cloud will be produced in the jar.
- b. If hotter water is used, then a thinner cloud will be produced in the jar.
- c. If hotter water is used, then the cloud will last longer in the jar.
- d. If hotter water is used, then a larger cloud will be produced in the jar.