



Practice Quiz



- 1 Which of these describes harmful microorganisms?**
 - A fungi that add flavor to cheese
 - B bacteria that break down waste
 - C bacteria that allow food to digest
 - D fungi that use nutrients from tree leaves

- 2 Which method would be MOST effective for separating a mixture of water, sand, and iron filings?**
 - A Filter the iron filings from the water and sand, and then boil off the water to leave the sand.
 - B Filter the sand from the water and iron filings, and then boil off the water to leave the iron filings.
 - C Filter the sand and iron filings from the water, and then use a magnet to separate the iron filings from the sand.
 - D Filter the sand and iron filings from the water, and then heat the mixture to separate the iron filings from the sand.

- 3 Students observe an animal and write down its characteristics.**

- lays eggs
- has feathers
- has a short tail
- has a round head

What type of animal is this and why?

- A a reptile because it lays eggs
 - B a bird because it has feathers
 - C a mammal because it has a short tail
 - D an amphibian because it has a round head
-
- 4 During a cooking demonstration, a chef dissolves 100 grams of sugar by stirring it into 1,000 grams of hot water.**

What is the mass of the sugar and water solution after the sugar is dissolved in the water?

- A 900 grams
- B 1,000 grams
- C 1,100 grams
- D 2,000 grams



- 5 **Which part of a plant cell uses energy from sunlight to help it make food?**
A nucleus
B cytoplasm
C chloroplast
D cell membrane
- 6 **Which statement describes a way that an amoeba, a single-celled organism, is similar to a skin cell found in a multi-celled organism?**
A Both kinds of cells need a way to reproduce.
B Both kinds of cells need blood vessels to provide nutrients.
C Both kinds of cells can move from place to place without help.
D Both kinds of cells can be specialized to perform certain functions.
- 7 **Which surface feature was made by a destructive process?**
A mountain
B river delta
C sand dune
D river valley
- 8 **José uses wire, a battery, and a light bulb to make an open electrical circuit. One at a time, he tests different objects to see whether the object closes the circuit. He observes what happens when the object is tested to determine which objects conduct electricity. The table shows the results of his experiment.**

Object	Observation
metal pin	light bulb is lit
plastic bag	light bulb is off
rubber ball	light bulb is off
copper penny	light bulb is lit

Which pair of objects are electrical conductors?

- A metal pin and plastic bag
B plastic bag and rubber ball
C copper penny and metal pin
D rubber ball and copper penny



-
- 9 **David watches a burning candle to determine if a chemical change is taking place. While he watches the candle, he writes down observations in his notebook.**

Which of David's observations proves that a chemical change is taking place?

- A The candle is getting shorter.
- B The candle is giving off light as it burns.
- C The wax is changing from a solid to a liquid.
- D The wax is running down the side of the candle.

- 10 **A scientist uses a seismograph to study the seismic waves that are produced by earthquakes.**

Which of these can MOST LIKELY be determined by studying seismic waves?

- A the location of the earthquake's epicenter
- B the dates when future earthquakes will happen
- C if a tsunami will be produced by the earthquake
- D if a future earthquake will happen at the same location