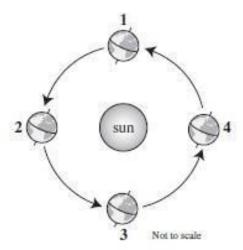
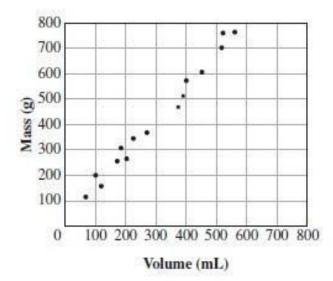
- Which of these forms of water has the greatest kinetic energy?
 - A boiling water
 - B melting water
 - C freezing water
 - D condensing water
- The diagram below shows four different positions of Earth during the year as it orbits the sun.



In which position is the northern hemisphere experiencing winter?

- A position 1
- B position 2
- C position 3
- D position 4
- Which infection of the human body can most likely be directly treated with an antibiotic?
 - A a viral infection
 - B a fungal infection
 - C a protist infection
 - D a bacterial infection

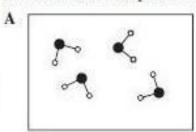
A student collected many different-sized samples of the same kind of rock from a certain area. She measured the mass and volume of each sample and plotted the results on the scatter plot below.

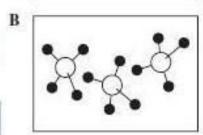


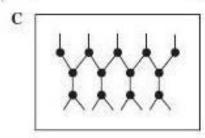
Based on the scatter plot, which is the best estimate of the mass of a rock sample taken from the same area that has a volume of 300 mL?

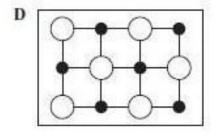
- A 350 g
- B 450 g
- C 550 g D 650 g
- Which of these is an example of chemical energy being converted into thermal energy?
 - A water boiling
 - B butter melting
 - C candles burning
 - D steam condensing

Which of these diagrams most likely represents the chemical structure of a substance that is a pure element?

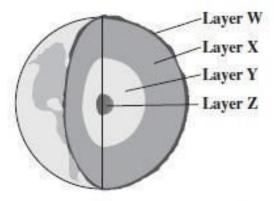








7 The diagram below shows four layers of Earth's internal structure.



Which layer is composed mostly of solid iron and nickel?

- A layer W
- B layer X
- C layer Y
- D layer Z
- Which of these is an SI unit of measure for the mass of an object?
 - A meter
 - B ounce
 - C milliliter
 - D kilogram

Answers:

- 1. A
- **2. D**
- 3. D
- 4. B
- **5.** C
- 6. C
- 7. **D**
- 8. D