GeoScience Videos Quiz for Earth's Elements & Silicates

1. Oxygen is the most common element in Earth's crust and iron is the most common element in Earth's core.

   a) True b) False

2. Sodium is an example of

   a) an element. b) a mineral. c) a type of rock.

3. Which list contains five of the eight most common elements in Earth's crust?

   a) Silicon, Oxygen, Sulfur, Nitrogen, Potassium
   b) Iron, Silicon, Nitrogen, Aluminum, Nickel
   c) Silicon, Iron, Hydrogen, Manganese, Lead
   d) Oxygen, Iron, Sulfur, Potassium, Carbon
   e) Oxygen, Calcium, Iron, Aluminum, Silicon
   f) Carbon, Hydrogen, Iron, Oxygen, Silicon

4. Which pair of elements is proportionally more abundant in Earth's core and mantle than in the crust?

   a) Oxygen & Silicon b) Aluminum & Calcium c) Iron and Magnesium

5. Approximately what proportion of Earth's crust is composed of the elements oxygen and silicon?

   a) 75% b) 57% c) 39% d) 24%

6. Which of the formulae below represents a silicate mineral?

   a) $CaCO_3$ b) $CaSO_4.H_2O$ c) FeS_2 d) $NaAlSi_3O_8$

7. Sand found in commercial sand and gravel deposits is typically composed of silicate minerals.

   a) True b) False

8. There are more naturally occurring elements on Earth than there are of different types of minerals.

   a) True b) False

Answer Key. 1. a); 2. a); 3. e); 4. c); 5. a); 6. d); 7. a); 8. b).