

Guided Reading Chapter 12 Section 4

1. Most elements are _____ at room temperature.
a) Liquid b) solid c) gas
2. What does it mean for an element to be in a solid state?
3. _____ is the repeating pattern of chemical and physical properties of elements.
4. What **type** of element makes a good electrical and thermal conductor?
5. _____ make good insulators.
6. What is an alloy?
7. Name some uses of different alloys.
8. What element is important to life and what two forms of this element occur in nature?
9. _____ is the second most abundant element on Earth.
a) Carbon b) Oxygen c) Silicon
10. Name two common materials made of silicon.
11. Rubies and emeralds are compounds of _____ and _____ with traces of other elements.
12. What is silicon's most famous application in today's world?
13. _____ percent of Earth's surface is made up of oxygen.
a) 30 b) 46 c) 62
14. Name two important uses of nitrogen.
15. Of what important process is Phosphorus a key ingredient?