



Name: _____ Class: _____

Atoms and elements

1. Carbon is an element which has an atomic number of 6. How many protons does it have ?
 - a. 7
 - b. 5
 - c. 6
 - d. 10
2. What is the atomic weight of carbon ? _____
3. Identify a pure element among the following:
 - a. Silver bar
 - b. Fresh water
 - c. Salt solution
 - d. A clay sample
4. Identify compounds among the following:
 - a. Table salt
 - b. Coal
 - c. Gold ring
 - d. Water
5. Why are most substances not pure elements ?
 - a. Most pure elements are unstable.
 - b. Electrons found in elements might combine with those of other elements.
 - c. Pure elements do not exist without chemical processes to stabilize them.
 - d. None of the above
6. Why does sodium not occur freely in nature ?
 - a. It has been over mined
 - b. It can only be found in outer space
 - c. It is a scarce element
 - d. Because of its high reactivity
7. What element is a pencil made up of ?
 - a. Iron
 - b. Carbon
 - c. Helium
 - d. Aluminium

1. c. 6
2. 12.011
3. a. Silver bar
4. a. Table salt
d. Water
5. b. Electrons found in elements might combine with those of other elements.
6. d. Because of its high reactivity
7. b. Carbon