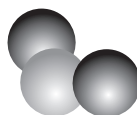
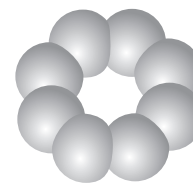


Name: _____ ()

Class: _____ Date: _____

Worksheet
8.2For Science Matters Textbook Volume A, section:
8.4 The Molecule **Secure Your Basics****Without referring to the textbook, try to answer the following questions.**

- Which of the following information is **not** directly obtained from a chemical formula?
A Chemical properties of the molecule
B Types of atoms in the molecule
C Number of atoms in the molecule
D Number of each type of atom in the molecule (A)
- Which of the following is true about water and ammonia molecules?
A Both are molecules of elements.
B Both contain hydrogen atoms.
C Both contain the same types of atoms.
D Both contain three atoms in one molecule. (B)
- In a discussion, Joseph stated that the number of atoms in a molecule of water decreases when water turns into ice. What was wrong with Joseph's statement? The number of atoms in a molecule of water _____.
A increases when water turns into ice
B depends on the amount of water
C is fixed whether it is in solid, liquid or gaseous form
D decreases only when water turns into water vapour (C)
- (a) Identify which figure below represents a sulfur atom, a sulfur molecule and a sulfur dioxide molecule.

Sulfur atomSulfur dioxide moleculeSulfur molecule