1. What is the Molar Mass of Boron?
   1. 5 amu
   2. 10.81 amu
   3. 10.81 grams/mole
   4. Period 2
   5. Group 13
2. What is a Mole in Chemistry?
   1. The number of electrons in an atom
   2. A very large number of particles
   3. The rotational velocity of the electrons in the atom
   4. The average kinetic velocity of the particles
   5. A fun dance that Terborg does when he wins a game of Mario Kart
3. How many moles of Carbon are in 12.0 grams of Carbon?
   1. 12.0 moles
   2. 1.00 moles
   3. 144 moles
   4. 24 moles
   5. There is not enough information to answer this question
4. What is Avogadro’s number?
   1. 6.022 x 1023
   2. 1 million
   3. 2.998 x 108
   4. 3.1415...
   5. Avocado? Now I’m hungry...
5. How many molecules are in 1.00 g of water?
   1. Exactly 3 molecules
   2. 3.34 x 1022 molecules
   3. 5.28 x 1023 molecules
   4. 7.12 x 1024 molecules
   5. Now I’m hungry *and* thirsty!
6. What is the molar mass of salt (NaCl)?
   1. 58.4
   2. 2
   3. 13.2
   4. 21.1
   5. 8.55
7. When converting between grams, moles, and molecules, which of these three can be directly converted to the other two?
   1. None of them.
   2. Grams
   3. Molecules
   4. Moles
   5. All three of them can be directly converted to the other two.

Answer Key

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