QUIZ on Lecture P1_Wk1_L1

1. Intramolecular and intermolecular forces can be broadly understood in terms of
   a) magnetism
   b) **electrostatics**
   c) gravity
   d) nuclear physics

2. Intramolecular forces tend to be
   a) Weaker than intermolecular forces.
   b) About the same strength as intermolecular forces.
   c) **Stronger than intermolecular forces.**

3. Electronegativity is a measure of
   a) the energy required to remove an electron from a gas phase atom.
   b) the energy released when an electron is added to an atom or a molecule.
   c) **an atom’s ability to attract electrons to itself when bonded to another atom.**
   d) the charge on an ion.

4. Using the electronegativity table discussed in lecture, which of the following molecules would you expect to have the most polar bond?
   a) Cl₄
   b) CCl₄
   c) **CF₄**
   d) CBr₄