3.2 Periodic Trends Prequiz

1. Electronegativity is
   1. How negative electrons are.
   2. How strongly an atom wants electrons.
   3. How negative electricity is.
   4. How charged a battery is.
   5. When electrons aren’t happy.
2. What is half the distance between the nucleus of an element bonded to itself?
   1. Atomic radius
   2. Atomic diameter
   3. Atomic bond length
   4. Molecule bond length
   5. Molecule size
3. Ionization energy is
   1. The energy it takes to start a nuclear reactor.
   2. The energy between two electrons.
   3. The energy between the electrons and the nucleus.
   4. Energy released when electrons jump between orbitals.
   5. The energy it takes to remove an electron.
4. Melting and boiling point \_\_\_\_\_\_\_\_\_\_\_\_ as you move to the right across the periodic table at a given period.
   1. Increases
   2. Decreases
   3. Stays the same
   4. Increases and then decreases
   5. Does not exist (it’s a trick question)
5. Ionization energy \_\_\_\_\_\_\_\_\_\_\_\_ as you move to the right across the periodic table at a given period.
   1. Increases
   2. Decreases
   3. Stays the same
   4. Increases and then decreases
   5. Does not exist (it’s a trick question)
6. Electronegativity \_\_\_\_\_\_\_\_\_\_\_\_ as you move to the right across the periodic table at a given period.
   1. Increases
   2. Decreases
   3. Stays the same
   4. Increases and then decreases
   5. Does not exist (it’s a trick question)
7. Ionization energy \_\_\_\_\_\_\_\_\_\_\_\_ as you go down the periodic table.
   1. Increases
   2. Decreases
   3. Stays the same
   4. Increases and then decreases
   5. Does not exist (it’s a trick question)
8. Elecronegativity \_\_\_\_\_\_\_\_\_\_\_\_ as you go down the periodic table.
   1. Increases
   2. Decreases
   3. Stays the same
   4. Increases and then decreases
   5. Does not exist (it’s a trick question)

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Answer Key

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