1. What is the most important factor that determines the strength of an ionic bond?

A. The size of the ions
B. The charge of the ions
C. The distance between the ions
D. The polarity of the ions

2. Which of the following is NOT a property of ionic compounds?

A. They are brittle.
B. They are good conductors of electricity.
C. They have high melting points.
D. They are soluble in water.

3. Which of the following is NOT a property of covalent compounds?

A. They are brittle.
B. They are poor conductors of electricity.
C. They have low melting points.
D. They are insoluble in water.

4. Which of the following is NOT a property of metallic compounds?

A. They are brittle.
B. They are good conductors of electricity.
C. They have high melting points.
D. They are insoluble in water.

5. Which of the following is NOT a property of molecular compounds?

A. They are brittle.
B. They are poor conductors of electricity.
C. They have low melting points.
D. They are soluble in water.

6. Which of the following is NOT a property of intermolecular forces?

A. They are attractive forces.
B. They are repulsive forces.
C. They are electrostatic forces.
D. They are dipole-dipole forces.

7. Which of the following is NOT a property of London dispersion forces?

A. They are attractive forces.
B. They are repulsive forces.
C. They are electrostatic forces.
D. They are dipole-dipole forces.

8. Which of the following is NOT a property of dipole-dipole forces?

A. They are attractive forces.
B. They are repulsive forces.
C. They are electrostatic forces.
D. They are London dispersion forces.

9. Which of the following is NOT a property of hydrogen bonding?

A. It is an attractive force.
B. It is a repulsive force.
C. It is an electrostatic force.
D. It is a dipole-dipole force.

10. Which of the following is NOT a property of Van der Waals forces?

A. They are attractive forces.
B. They are repulsive forces.
C. They are electrostatic forces.
D. They are dipole-dipole forces.

11. Which of the following is NOT a property of ionic bonds?

A. They are formed between atoms that share electrons.
B. They are formed between atoms that transfer electrons.
C. They are strong bonds.
D. They are weak bonds.

12. Which of the following is NOT a property of covalent bonds?

A. They are formed between atoms that share electrons.
B. They are formed between atoms that transfer electrons.
C. They are strong bonds.
D. They are weak bonds.

13. Which of the following is NOT a property of metallic bonds?

A. They are formed between atoms that share electrons.
B. They are formed between atoms that transfer electrons.
C. They are strong bonds.
D. They are weak bonds.

14. Which of the following is NOT a property of molecular bonds?

A. They are formed between atoms that share electrons.
B. They are formed between atoms that transfer electrons.
C. They are strong bonds.
D. They are weak bonds.

15. Which of the following is NOT a property of intermolecular forces?

A. They are attractive forces.
B. They are repulsive forces.
C. They are electrostatic forces.
D. They are dipole-dipole forces.

16. Which of the following is NOT a property of London dispersion forces?

A. They are attractive forces.
B. They are repulsive forces.
C. They are electrostatic forces.
D. They are dipole-dipole forces.

17. Which of the following is NOT a property of dipole-dipole forces?

A. They are attractive forces.
B. They are repulsive forces.

C. They are electrostatic forces.
D. They are London dispersion forces.

18. Which of the following is NOT a property of hydrogen bonding?

A. It is an attractive force.
B. It is a repulsive force.
C. It is an electrostatic force.
D. It is a dipole-dipole force.

19. Which of the following is NOT a property of Van der Waals forces?

A. They are attractive forces.
B. They are repulsive forces.
C. They are electrostatic forces.
D. They are dipole-dipole forces.

20. Which of the following is the most important factor that determines the strength of an ionic bond?

A. The size of the ions
B. The charge of the ions
C. The distance between the ions
D. The polarity of the ions

Answer Key:

1. B
2. D
3. A
4. D
5. B
6. B
7. C
8. D
9. B
10. C
11. B
12. B
13. B
14. B
15. B
16. C
17. D
18. B
19. C
20. B