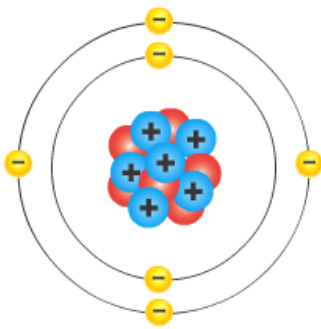


Electricity

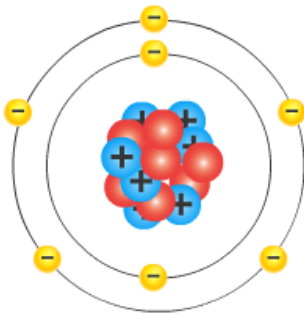
Choose the correct answer.

1. Atoms have _____ number of negative charges and positive charges.



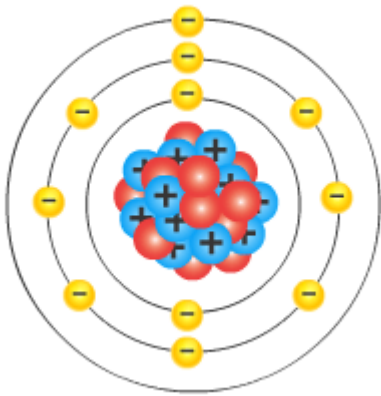
- a different
 the same

2. When an object has more electrons than protons it is _____ charged.



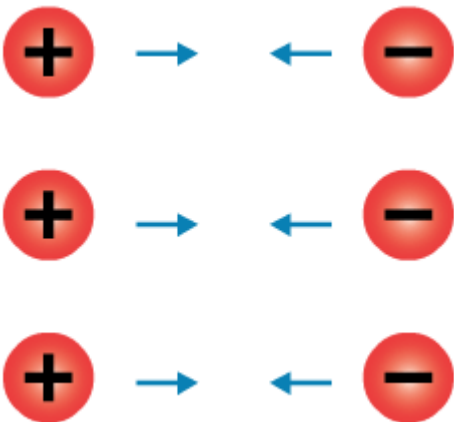
- positively
 negatively

3. When an object has more protons than electrons it is _____ charged.



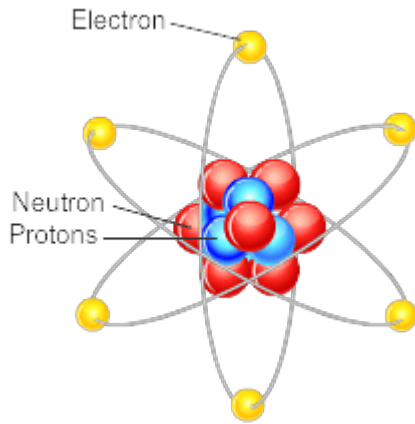
- positively
- negatively

4. When two objects have unlike electrical charges, they will _____ each other.



- repel
- attract

5. Which of the following best defines an electrical charge?



- An electrical charge occurs whenever the number of protons in the nucleus of an atom differs from the number of electrons surrounding the nucleus.
- An electrical charge occurs whenever the number of protons in the nucleus is the same as the number of electrons surrounding the nucleus.

State whether the following statement is true or false.

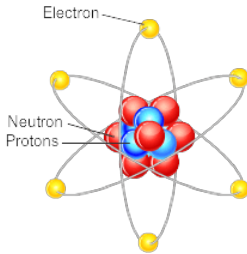
6. Electrical charges from power plants go through power lines to bring electricity into homes or businesses.



- True
- False

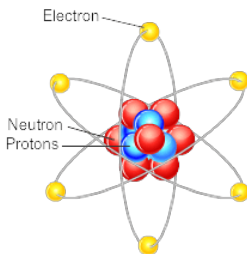
Choose the correct answer.

7. Protons, neutrons, and electrons are the _____ particles of an atom.



- subatomic
- molecular

8. Which two subatomic particles are found in the nucleus of an atom?



- Protons and electrons
- Protons and neutrons

9. Static electricity is the _____ of positive and negative charges in an object.



- balance
- imbalance

10. Which of the following shows an example of static electricity?



11. Which of the following is an example of an electrostatic discharge or the release of static electricity.



12. The shock a person receives when walking across a carpet and touching a metal doorknob is the release of which of the following?



Static electricity



Conductors

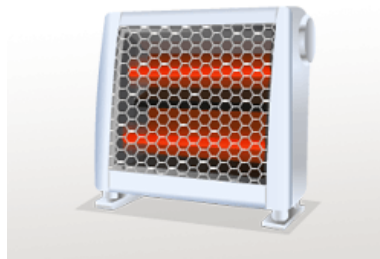
13. All of the following is a major use of electricity EXCEPT _____.



Desk lamp



Air conditioner



Heater



Fireplace

14. Which of the following causes thunder?



Lightning



Clouds

State whether the following statement is true or false.

15. If thunder is heard but there is no lightning then it is safe to be outdoors.

 True False