Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_

**Dontcha Give Me No Static Quiz**

1. What is the net charge of an object that is an induced dipole?

2. The charge of a proton would be measured in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

T or F. 3. The gravitational constant (G) is a larger number than k (the electrical constant).

T or F. 4. Electrical force depends on the mass and the distance between the 2 objects.

5-6. Protons would \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ another proton, but it would \_\_\_\_\_\_\_\_\_\_\_\_\_\_ a neutron.

T or F. 7. The strength of the charge of a proton is (the same, bigger than, smaller) the charge of an electron.

T or F. 8. Lightning is an example of electrostatics.

9-10. If a charged object causes a neutral object to become a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, then electrostatic

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ has occurred.

11. The force that causes the reactions of chemistry is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

12. Where are the negatively charged particles found in the atom?

13. If an electron moves 5 times as far from a proton, how does the electrical force between them change?

14. Name one way that gravity is different than electricity.

**Word Bank** - some of the answers are found below.

Fg transfer repel protons Fe coulombs

dipole neutrons electrons µC induction attract electricity

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_

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11. Name one way that gravity is different than electricity.

T or F. 12. The strength of the charge of a proton is (the same, bigger than, smaller) the charge of an electron.

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T or F. 14. Lightning is an example of electrostatics.

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