Bill Nye’s Static Electricity Video Worksheet

1. Electricity is the flow of tiny particles called\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Electrons are part of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. The word circuit means “\_\_\_\_\_\_\_\_\_\_\_\_ “, therefore a circuit is a \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ around which electricity (or water) flows.
4. Electrons flowing through a wire can be compared to \_\_\_\_\_\_\_\_\_\_\_ flowing through a hose. Once the flow of electrons or water is going, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, is performed.
5. You would get shocked in a bumper car by touching the \_\_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_ at the same time. This means you are completing the \_\_\_\_\_\_\_\_\_ allowing electricity to flow.
6. Electricity from a wall outlet has enough energy to stop your \_\_\_\_\_\_\_\_\_\_\_\_\_.
7. Electricity is the \_\_\_\_\_\_\_\_\_\_\_\_\_ of electrons, because electrons \_\_\_\_\_\_\_\_\_\_\_\_\_ from atom to atom.
8. Materials that allow electrons to move easily from atom to atom are called \_\_\_\_\_\_\_\_\_\_\_\_\_.
9. Materials that do not allow electrons to flow easily are called \_\_\_\_\_\_\_\_\_\_\_\_\_.
10. \_\_\_\_\_\_\_\_\_\_\_\_\_ are materials that are somewhere in between.
11. \_\_\_\_\_\_\_\_\_\_\_\_\_ is the force or pressure of electricity and is compared to the amount of water pressure in a hose.
12. \_\_\_\_\_\_\_\_\_\_\_\_\_ is the amount of electricity and is compared to the amount of water in a hose.
13. \_\_\_\_\_\_\_\_\_\_\_\_\_is the term for work performed by electricity. Total: /18