Electric Charge 530-535

Begin a 5- section poster

Section 1: Electric Charges, 532,533, 535, 1. What is an atom; 2. Draw a Bohr’s model of a beryllium atom, labeling the parts and showing the charges of each;3. What is the “law of electric charges”;

Section 2: Electric Force and Electric Field, p. 534,535, 536,. Define electric force; 2. Identify two things electric force depends on; 3. Define electric field;

Section 3: Charge It! P.530-535. Explain how atoms can become positively charged and negatively charged- illustrate with beryllium; 2a. Describe charging by friction; 2 b Give an example of how you charged an object by friction; 3a. Describe charging by induction; 3b. Give an example (drawing) of charging by induction; 4a. Describe charging by conduction; 4b. Give an example (drawing) of charging by conduction

Section 4: Moving Charges, p 430-431, 532 Define conductors; 2. Give examples of good conductors; 3. Explain what makes these examples good conductors; 4. Define insulators; 5. Give examples of good insulators; 6. Explain why these examples are not good conductors;

Section 5: Static Electricity and Electric Discharge p , Labsheet 17.1.4/ 1. Define static electricity; 2. What is the meaning of the word “static”; 3. Explain how clothes in a dryer become charged; 4. Explain what happens when the dryer stops and why; 5. Define electric discharge; 6. Give an example, with picture of a slow discharge and explain where the charges go; 7. Give an example of a quick discharge;

Electric Charge 530-535

Begin a 5- section poster

Section 1: Electric Charges, 532,533, 535, 1. What is an atom; 2. Draw a Bohr’s model of a beryllium atom, labeling the parts and showing the charges of each;3. What is the “law of electric charges”;

Section 2: Electric Force and Electric Field, p. 534,535, 536,. Define electric force; 2. Identify two things electric force depends on; 3. Define electric field;

Section 3: Charge It! P.530-535. Explain how atoms can become positively charged and negatively charged- illustrate with beryllium; 2a. Describe charging by friction; 2 b Give an example of how you charged an object by friction; 3a. Describe charging by induction; 3b. Give an example (drawing) of charging by induction; 4a. Describe charging by conduction; 4b. Give an example (drawing) of charging by conduction

Section 4: Moving Charges, p 430-431, 532 Define conductors; 2. Give examples of good conductors; 3. Explain what makes these examples good conductors; 4. Define insulators; 5. Give examples of good insulators; 6. Explain why these examples are not good conductors;

Section 5: Static Electricity and Electric Discharge p , Labsheet 17.1.4/ 1. Define static electricity; 2. What is the meaning of the word “static”; 3. Explain how clothes in a dryer become charged; 4. Explain what happens when the dryer stops and why; 5. Define electric discharge; 6. Give an example, with picture of a slow discharge and explain where the charges go; 7. Give an example of a quick discharge;