I'm human

Phet simulation static electricity worksheet answer key

Phet electricity simulations analysis worksheet answers. Phet static electricity worksheet answers. Balloons and static electricity phet simulation answers. Phet balloons and static electricity worksheet answer key.

PhET Lab: Balloons and Static Electricity **Experiment 1** Start with a yellow balloon and demonstrate all charges. Rub the balloon against a sweater to transfer positive charges onto it. Describe what happens to these charges; they remain on the sweater. Next, describe what occurs to the negative charges on the sweater; they are transferred to the balloon. Release the left click to keep the balloon in the middle of the screen and then release it. Explain why this happens based on physics: the negative charges in the balloon attract the positive charges in the sweater, causing the balloon to move towards the sweater. **Experiment 2** Move the balloon to a wall and describe why it sticks. The opposite charges attracting each other cause the balloon to adhere to the wall. Sketch or take a screenshot of the charge distribution on the balloon and wall. Explain why the electrons behaved in this manner; opposites attract. Observe the charges on the wall. Is it overall positive, negative, or neutral? Click "show charge differences" if needed. The wall has an even distribution of charges, making it neutral. **Experiment 3** Remove the wall, reset the balloon, and click two balloons. Rub each balloon against the sweater. Pull off the green balloon and move it to the right side of the screen (where the wall used to be). Quickly pull off the yellow balloon, hold down left click, and place the yellow balloon in the middle of the screen. Describe what the charged yellow balloon does to the charged green balloon...