**Conductors and Insulators Lab Simulation**

Learning target: I can use the simulation to test which objects are conductors and insulators.

1. Use the simulation Circuit Construction Kit: DC INTRO
2. Use the down arrow on the toolbar on the left side of the simulation to find the objects to test. Create a circuit using 1 battery, wires, and 1 bulb, and 1 object. Fill in the table below, the first one is done for you.

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| --- | --- | --- |
| Object | Does bulb light? Yes or No | Conductor or Insulator |
| **Paper Clip** | **Yes** | **Conductor** |
| Dollar bill |  |  |
| Fuse |  |  |
| Coin |  |  |
| Eraser |  |  |
| Pencil |  |  |
| Hand |  |  |
| Dog |  |  |

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| What type of material is most likely a conductor? Wood or Metal? Explain your thinking. Use the information from your table to help you answer the question. |

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| Do you think a piece of paper would be a conductor or insulator? Explain your thinking. |

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| People who work with electricity wear protective gear like gloves. Do you think they should wear gloves made of metal or rubber? Explain your thinking. |

Look around your house. Try to find 3 objects that would most likely be conductors and insulators. Fill in your response in the table below.

|  |  |
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| **Conductors around the house** | **Insulators around the house** |
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