Questions Answers

|  |  |
| --- | --- |
| Electrical energy can be converted into which forms of energy? | Light energy, heat energy, and motion energy. |
| Look at the pictures. Which of these objects can convert energy into heat energy?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2017-03-02 at 8.06.19 PM.png | Lamp |
| An iron converts electrical energy into what kind of energy?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2017-03-02 at 8.09.17 PM.png | Heat energy |
| If you rub a wool cloth against two balloons and let them go, what will happen? | Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2017-03-02 at 8.12.59 PM.png  The balloons with attract to each other. |
| Look at the picture. What is needed for the circuit to work?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2017-03-02 at 8.15.47 PM.png | You need a wire attached to the negative part of the D-cell and the side of the light bulb. |
| What do you need to make an electromagnet? | A long wire, D-cell, a metal rivet. |

|  |  |
| --- | --- |
| What do you think will happen if you let go of these two magnets?Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2017-03-02 at 8.23.24 PM.png | The magnets will repel away from each other. |
| What do you think will happen if you let go of these two magnets?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2017-03-02 at 8.24.05 PM.png | The magnets will attract towards each other. |
| Three magnets were put together. Which magnet is placed incorrectly? Explain. | Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2017-03-02 at 8.37.33 PM.png |
| How can you make an electromagnet stronger?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2017-03-02 at 8.39.23 PM.png | Add more coils and add another D-cell. |
| What would cause a compass’s needle change directions? | A magnet. |
| A compass’ needle always points North. Why is this magnet not pointing North?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2017-03-02 at 8.47.03 PM.png  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2017-03-02 at 8.48.36 PM.png | The magnet is attracting the compass’ needle, which is why it isn’t pointing North. |