

Final Packet June 1 -11, 2020

Day 1: Monday June 1, 2020

Use the following link to help with your Magnetism Vocabulary: <https://youtu.be/yXCeuSiTOug>

Term	Definition/Description
1. Magnetism	
2. Magnetic Poles	
3. Repel	
4. Attract	
5. Magnetic Field	
6. Insulators	
7. Conductor	

Day 2: Tuesday June 2, 2020

Use the following link to help you: <https://youtu.be/yXCeuSiTOug>

Show me what you know.

1. Magnetic Attraction	
Scenario	Repel or Attract?
Two south poles are brought together.	
A north pole is brought to a south pole.	
Two north poles are brought together	
A south pole is brought to a north pole.	

2. A magnet has two ends; each one is called a (n) _____.

3. What happens if you break a magnet in two? _____

4. What type of objects are magnetic?

Conductors	Insulators
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5. Iron, Cobalt and Nickel are three metals that are _____ to a magnet.

6. Identify the two poles found on a magnet. _____

7. The earth's _____ is made of iron and nickel causing it to behave like a magnet.

8. Is a magnetic field visible to the naked eye (can you see it)?

Day 3- 4: Wednesday 6/3 - Thursday 6/4/20

Generators, Motors, and Electromagnets

	Generator	Electric Motor	Electromagnet
<u>Definition/Description</u> <u>What is it?</u>			
Examples:			
How are they used?			
Energy Transformation			

Day 5 : Friday, June 5, 2020

Static Electricity Video

<https://youtu.be/yc2-363MIQs>

Watch the video and answer the following questions.

- 1. Normally the _____ and _____ of an atom balance out.**
- 2. Most matter is _____ neutral.**
- 3. _____ can cause electrons to leave their atoms.**
- 4. What causes static electricity?**
- 5. Lightning can strike the same place more than once. True or False**

Day 6: Monday June 8,2020

Exploring an Electrical Circuit: What is a circuit? Video

<https://youtu.be/VnnpLaKsqGU>

Watch the video and answer the following questions.

- 1. What is a circuit?**
- 2. Define a complete circuit?**
- 3. Define a closed circuit?**
- 4. Identify two energy transformations in this electrical circuit.**
 - 1. _____**
 - 2. _____**
- 5. Describe and sketch the path of electrons as they flow in a circuit.**

Day 7 & 8: Tuesday & Wednesday, June 9 - 10 2020

Series and Parallel Circuits Video

<https://youtu.be/js7Q-r7G9ug>

Watch the video and answer the following questions.

1. Identify the 2 things needed for a complete circuit.

1. _____
2. _____

2. Identify the 2 types of circuits.

1. _____
2. _____

3. Draw a series circuit with 3 bulbs.

4. Using your diagram explain what will happen if you disconnect one of your lights.

5. Give an example of a series circuit.

6. Circle the disadvantages of a series circuit (circle all that apply)

- A. Lights get dimmer as you add lights
- B. Requires less wires
- C. Requires more wires
- D. Everything goes out (fails) if the circuit is broken

7. Draw a parallel circuit with 2 bulbs.

8. Using your diagram explain what will happen if you disconnect one of your lights.

9. Circle the advantages of a parallel circuit (circle all that apply).
- A. Requires less wires
 - B. Requires more wires
 - C. If one component in the circuit fails everything else will work
 - D. Lights get dimmer as you add lights
 - E. Lights do not get dimmer as you add lights
10. Identify the type of circuit used in our homes and explain why.

Day 9: Thursday, June 11, 2020
Join me for a Farewell Zoom at 11:00

**You made
it!!!!!! It is the
last day of
school!!!
Enjoy your
summer!!!**