

8TH GRADE PHYSICAL SCIENCE

ECHOLS MIDDLE SCHOOL

MAY 2020

ISSUE 6

WEEK 5 ANSWERS

STEMscopedia:

Magnet Labels: NS, NS, SN

Reading Science:

1. B, 2. C, 3. D, 4. C, 5. D, 6. A

Math Connections:

1. +, +, repulsive
2. +, -, attractive
3. -, +, attractive
4. -, -, repulsive
5. The force is repulsive so the arrows should be pointing away from each other.
6. The force is attractive so the arrows should be pointing toward each other.
7. The force is repulsive because the same poles are near each other.
8. The force is attractive because the opposite poles are close to each other.
9. As the charge increases, the electric force increases.
10. The electric force will double.
11. The electric force will be reduced by half.
12. Directly proportional as the line goes through the origin.
13. As electric force decreases, distance increases.
14. The electric force is quartered.
15. Non-linear as the the line does not go through the origin.

Guided Practice:

Graphic Organizer

Forces>electromagnetic> created with moving electrons in a coper wire>attractions>pull<more wire increases force field

Forces>magnetic>decrease distance, increase force field>repulsion> push, same poles > attaction> pull, opposite poles

Paragraph

electrons, copper, force, decrease, toward, repulsion

IN THIS ISSUE

Answer Key for Week 5

Contact Info



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