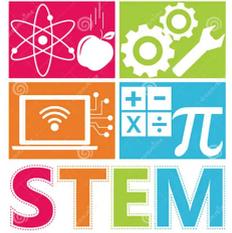


SCIENCE Newsletter

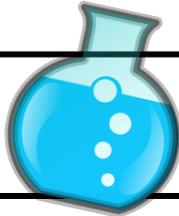


Week of : Feb.12th to Feb.16th, 2024

4A,B,C,D,E Home Learning

	4A,B,C,D,E Home Learning
Monday	Complete the Study Guide Questions
Tuesday	Complete the Study Guide Questions
Wednesday	Review Study Guide and Vocabulary
Thursday	No Homework : Forms of Energy Test
Friday	No Homework - enjoy your weekend!

Vocabulary



forms of energy
potential energy
kinetic energy
electrical
light
reflects
bends
absorbs
opaque
transparent
translucent
sound
vibrations
wave
pitch
volume
heat
friction motion
speed
collision
mass
transfer

Reminders



- **Topic 4 TEST**
- **Thursday 02/15**

- **Topic 4 Lessons 1-3**
Vocabulary Quizlet



Energy Study Guide

Directions: Fill in the blanks.

1. Energy makes things happen.
Energy is the ability to do _____.
2. Light is a form of _____.
3. Light travels in a _____ line until it strikes an object or travels from one type of material to another.
4. What happens to light waves when they strike an object?

5. Light bounces off or is _____ from some kinds of opaque objects.
6. Light bends or _____ as it passes from one medium (form of matter: solid, liquid, gas) to another.
7. What forms of energy do light bulbs **use** and **produce**?
Use: _____
Produce: _____
8. Heat (thermal energy) is transferred from one substance to another, from the substance with the _____ temperature to the substance with the _____ temperature.
9. Heat is transferred from one object to another in three ways:
 - _____: the transfer of thermal energy through direct contact.
 - _____: the transfer of thermal energy through a liquid or a gas.
 - _____: the transfer of thermal energy through electromagnetic waves.

What kind of heat transfer is this? (conduction, convection, or radiation)

- boiling water in a pot _____
- two eggs cooking in a pan _____
- a microwave heating up food _____
- your hands touching a mug of hot chocolate _____

- laying out on the beach to get sun _____

10. Sound waves travel through a _____. They can't move through a _____

11. What are the 3 mediums? _____

12. _____ energy is the energy of motion

13. _____ energy is stored energy

14. Sound is produced from _____.

16. _____ are materials that **do not** conduct heat and electricity well.

a. List examples of insulators

17. _____ are materials that conduct heat and electricity well.

b. List examples of conductors

18. What is the measure of how well a substance conducts heat and electricity?

19. Describe an opaque object.

20. Describe a transparent object.

21. Describe a translucent object.