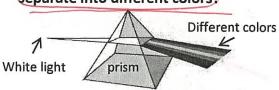
## DAY 4- CAPTAIN PHASMA

## STAAR Wars: 5th grade Science Review

Force, Motion, and Energy- 5.6B(R), 5.6C(R), 3.6B(S)

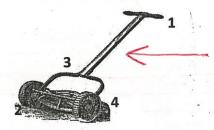
Name\_\_\_\_

1. When light travels through a prism, it separates into different colors. Which property of light causes the light to separate into different colors?



- A Refraction
- Reflection
- Absorption
- O Conduction

2. Pictured below is a reel mower.



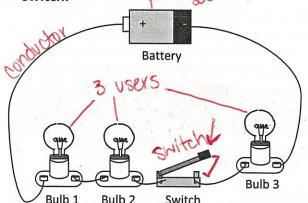
At which point would a person need to apply force to move the reel mower?

- Position 2
- G Position 3
- (A) Position 4
- O Position 1

3. Which of these best demonstrates light and reflection? Rouncing

- A Looking through a handlens Refract
- B Looking at a still lake and seeing your image appear on top of the still water
- C Looking through a clear marble
- D Looking at a bulb in a street light

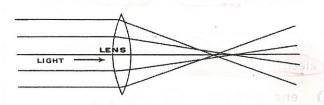
4. This is a series circuit with three bulbs and a switch.



According to the diagram above, which bulbs will light up?

- (E)
- **G** 0
- $\Theta$  3
- **①** 2

5. A camera has a lens which is a curved piece of glass. This lens takes the beams of light from an object and redirects it to form a real image. The lens of a camera is shown below.



Which of the following best describes how the camera lens forms a real image.

- Refract
- A The camera lens reflects light.
- B The camera lens absorbs light.
- The camera lens bounces light.
- The camera lens refracts light.



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Force, Motion, and Energy- 5.6B(R), 5.6C(R), 3.6B(S)

Name\_\_\_\_\_

6. A group of students designed an experiment to see how long it would take to pull a wagon filled with rocks to the end of the playground. They repeated the experiment with the same wagon but took the rocks out. The results of their experiment are displayed on the chart below.

object	Time it takes to pull the wagon
Wagon with rocks	3 minutes 15 seconds
Wagon without rocks NOS	1 minute 45 seconds

Which conclusion best supports the results shown in the table?

- It took more force to pull the wagon with rocks; therefore, taking more time.
- G It took less force to pull the wagon without rocks; therefore, taking more time.
- The students were tired from pulling the wagon with the rocks.
- The wagon with rocks took less time to pull.
- 7. Which of these is NOT needed to test the electrical conductivity of an object?
- A energy source
- B wires
- © light bulb
- Water

NOT Safe

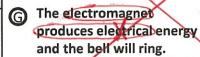
- 8. Robert places a picture of an arrow on his desk and holds a mirror up next to it. Which statement best explains why the arrow appeared backward in the mirror?
- © Reflection
- © Refraction
- Absorption Swo
- ① Conduction



9. A soccer player kicks a ball in the air. In which direction does the ball most likely move after the soccer player kicks the ball?



- A Direction 3
- B Direction 2
- O Direction 1
- Direction 4
- 10. The diagram below shows a complete circuit.
  Which answer best describes how the electromagnet is being used in this circuit?
- The electromagnet produces light energy and the bell will ring.



- The electromagnet prevents the bell from ringing.
- The electromagnet provides heat energy for the circuit.
- 11. Why does the straw in the ice water appear to be broken?
- A Light is hitting the outside of the glass and is being reflected. Bounce
- B Light is going through the water and is being refracted Front
- C Light is being absorbed by the glass.
- D Light is being insulated by the glass. Feat or Elect.

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