

Name: _____

Date: _____

● Light Waves Homework (Version 2)

■ ■ ■ Task 1

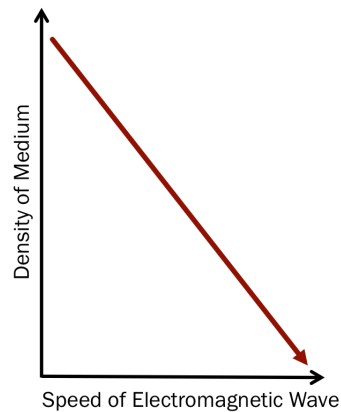
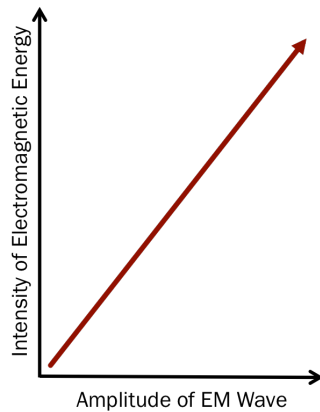
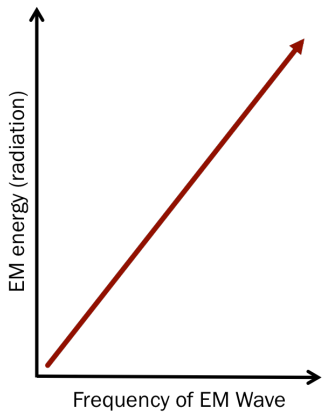
Directions: Answer the following questions.

1. What is light?

2. What are light waves?

3. What are synonyms for light?

■ ■ ■ Task 2



Use the graphs above to describe how frequency, amplitude and density of a medium affect the energy, intensity and speed of a light wave, respectively.

■ ■ ■ Task 3

Why is it a misconception to think of light as something we can only see?

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● Sound vs. Light Homework

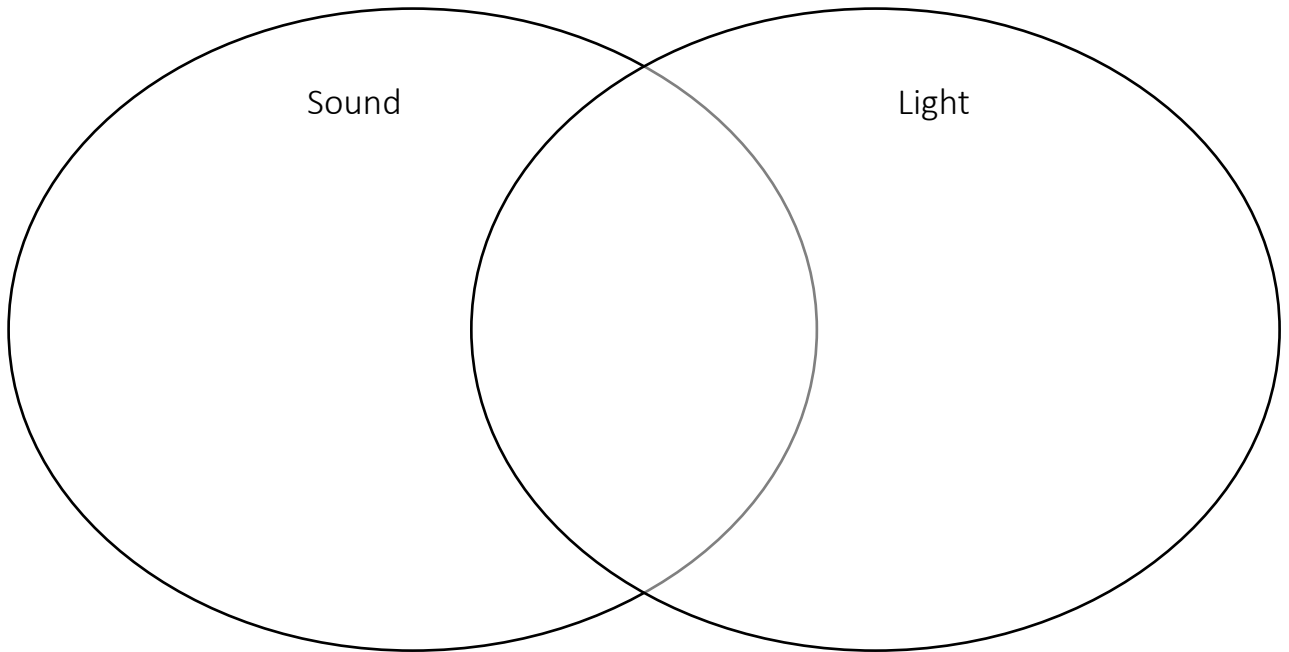
■ ■ ■ Task 1

Directions: Describe the two most studied waves in science.

Wave	Description
Sound waves	
Light waves	

■ ■ ■ Task 2

Directions: Use the Venn diagram to compare and contrast sound and light.



■ ■ ■ Task 3

How would the universe be different if sound waves traveled at the speed of light and light waves traveled at the speed of sound?
