

SLINKY LAB

Problem: *How do waves travel in a spring?*



**RESTATE THE QUESTION**

*Restate or reword the question and turn it into a statement.*



**ANSWER THE QUESTION**

*What is being asked? Answer all parts of the question.*



**CITE THE SOURCE**

*Tell where you found examples and details.*

*In paragraph 2... The lab results show...  
From my data... The article states...*



**EXPLAIN YOUR RESPONSE**

*Give evidence from your lab or the text to support your answer. Add your thoughts to create a general scientific rule.*

**Conclusion:**

*Claim (Educated response to the question) -*

R  
A

*Evidence(2-3 pieces of data or information that supports the claim) -*

C

*Reasoning (Restate the "Claim" with a nibble of your "Evidence" and a general scientific statement to back it up)*

R  
A  
C  
E

As you read The Nature of Waves, text render each section. Look for the main idea and a key word of the section.

TLW: I can describe how waves transfer energy and identify two types of waves.

**Section 1: The Nature of Waves**

Main Idea: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

One word summary (key word): \_\_\_\_\_

**Section 2: Waves Carry Energy**

Main Idea: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

One word summary (key word): \_\_\_\_\_

**Section 3: Energy Transfer Through a Medium**

Main Idea: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

One word summary (key word): \_\_\_\_\_

**Section 4: Energy Transfer without a Medium**

Main Idea: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

One word summary (key word): \_\_\_\_\_

**Section 5: Types of Waves**

Main Idea: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

One word summary (key word): \_\_\_\_\_

**Section 6: Transverse Waves**

Main Idea: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

One word summary (key word): \_\_\_\_\_

**Section 7: Longitudinal Waves**

Main Idea: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

One word summary (key word): \_\_\_\_\_

**Section 8: Combinations of Waves**

Main Idea: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

One word summary (key word): \_\_\_\_\_