

SOL5.3 Mark each statement (T) true or (F) false. Correct the underlined word(s) if the statement is false. **Day 1**

- ___ Light is a form of energy we can see. _____
- ___ Sound is a form of energy we can hear. _____
- ___ Sound can travel through a vacuum. _____
- ___ Light can travel through a vacuum. _____
- ___ Light is created by extreme heat. _____
- ___ Light travels in compressions waves. _____
- ___ Light travels in transverse waves. _____

SOL5.3 Fill in the blanks: **Day 2**

Light travels in _____ lines called _____. These lines are made up of millions of _____ waves. These waves move _____ and _____ at the same time they move _____. This is different from a light wave. Light waves are called _____ or _____ waves. They move _____ and _____.

forth
compression
straight *up*
down *back*
transverse *forward*
longitudinal *rays*

SOL5.3 Draw a model of a light wave. Label these parts: crest, trough, wavelength. **Day 3**

SOL5.3 Draw a model of a light wave with low frequency and with high frequency. **Day 4**



SOL5.2 **Day 5**

- Mark each sound with (HF) High Frequency or (LF) Low Frequency.
- ___ whistle
 - ___ tractor trailer slowing down
 - ___ alarm clock
 - ___ shrill scream
 - ___ refrigerator
 - ___ spin cycle of a washing machine
- Circle the sounds that would have a high pitch.