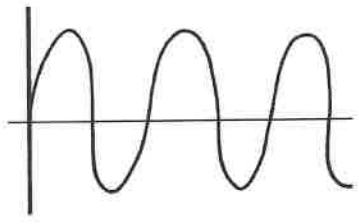
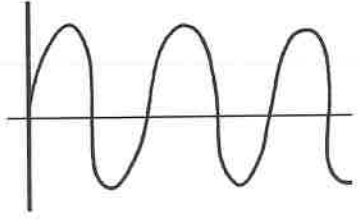


Wave: _____



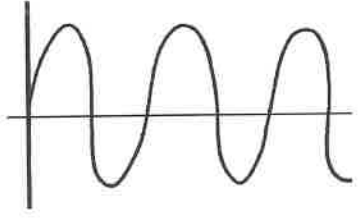
Medium: _____

Crest: _____

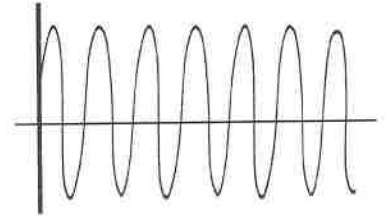
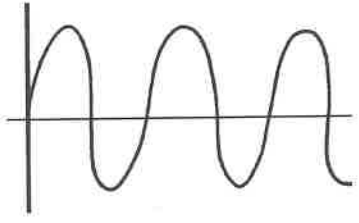


Trough: _____

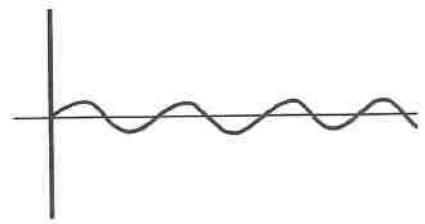
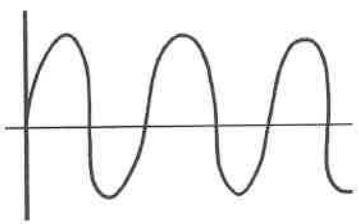
Wavelength: _____



Frequency: _____



Amplitude: _____



Name: _____

Date: _____

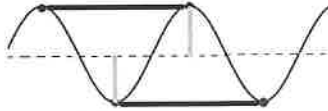
Block: _____

Directions: Use your notes and textbook to draw, label and describe the following items.

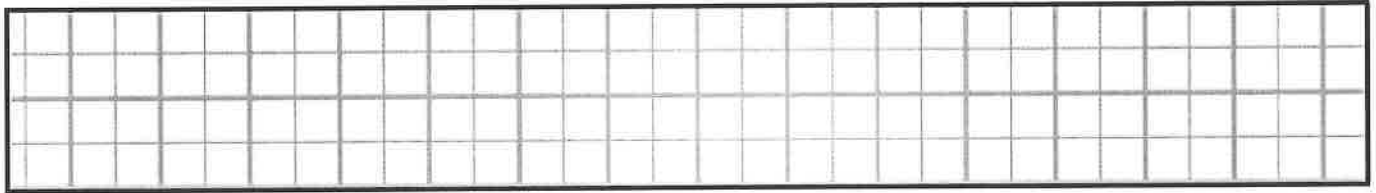
You will need colored pencils (red, green, yellow, blue and black—or plain pencil if you don't have black).

1. Use the black pencil (or plain pencil) to draw a transverse wave to match the description in each box.
2. Label **two (2) points for each** of the following parts of the wave on EACH wave you've drawn:
Crest (red dot), Trough (green dot), Amplitude (yellow line), Wavelength (blue line)
3. Fill in the blanks of the sentence as the bottom.
4. Glue this paper into your notebook across from your notes

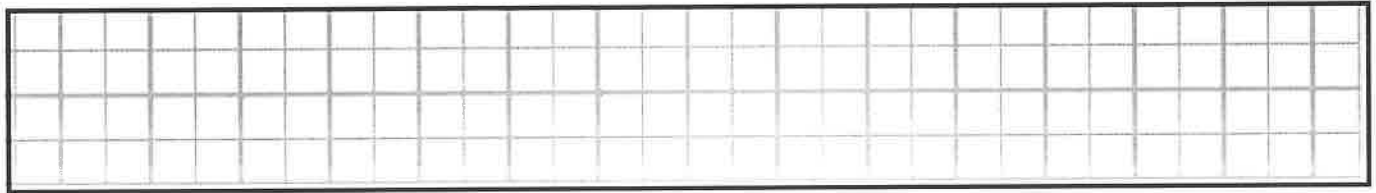
Example:



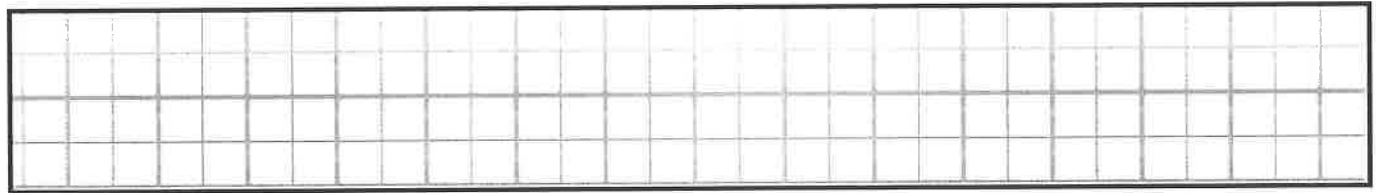
1. Draw a wave with **high frequency** and **low amplitude** (*low energy*).



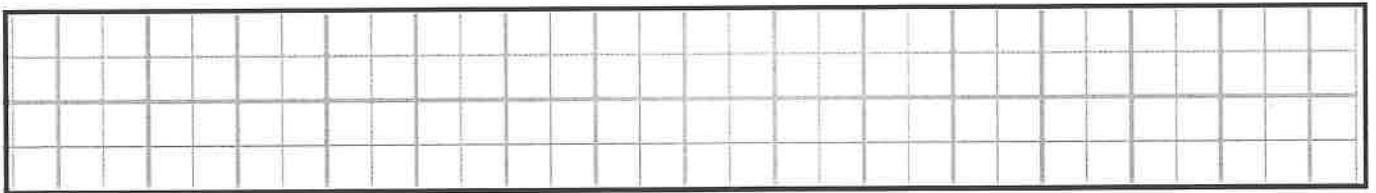
2. Draw a wave with **high frequency** and **high amplitude** (*high energy*).



3. Draw a wave with **low frequency** and **low amplitude** (*low energy*).



4. Draw a wave with **low frequency** and **high amplitude** (*high energy*).



Fill in the blanks:

Frequency and wavelength are _____ (directly/inversely) related; because as frequency _____ (increases/decrease), wavelength _____ (increase/decrease).