



## Properties of Waves Worksheet

Name: \_\_\_\_\_.

Date: \_\_\_\_\_.

Grade: 7th

Answer the following questions according to the given instructions:

1. What is the top of a wave called?

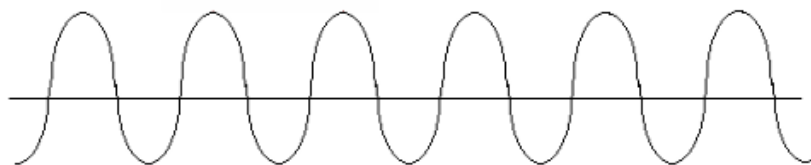
- A. Trough
- B. Ceiling
- C. Crest
- D. Apex

2. What is the bottom of a wave called?

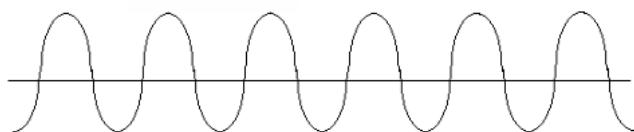
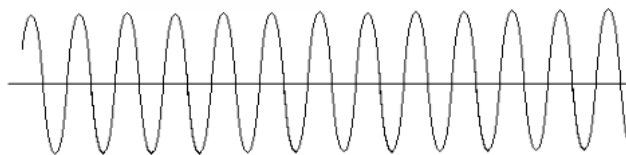
- A. Minima
- B. Crest
- C. Valley
- D. Trough

3. Label the parts of the given wave. Use the box given below as reference.

Crest	Trough
Amplitude	Resting point
Wavelength	



4. Circle which of these waves has more frequency.



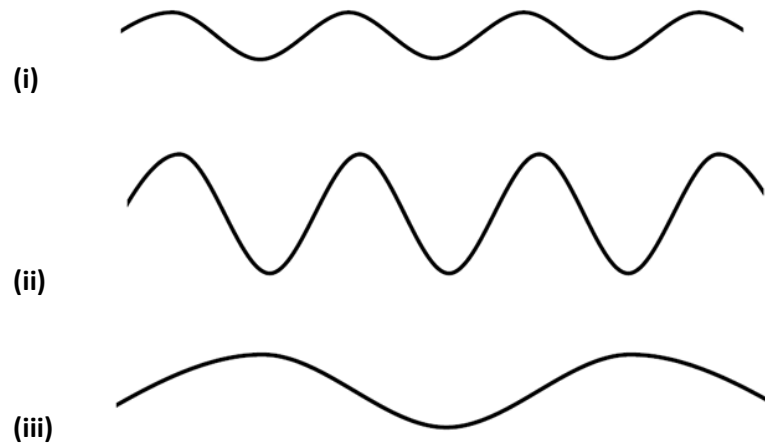
How do you know?: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



5. Look at the waves below, and answer the following questions.



- A. Which wave has the largest amplitude? \_\_\_\_\_.
- B. Which waves has highest frequency? \_\_\_\_\_.
- C. Which wave has the largest wavelength? \_\_\_\_\_.

6. Draw a wave with high amplitude and a short wavelength below:

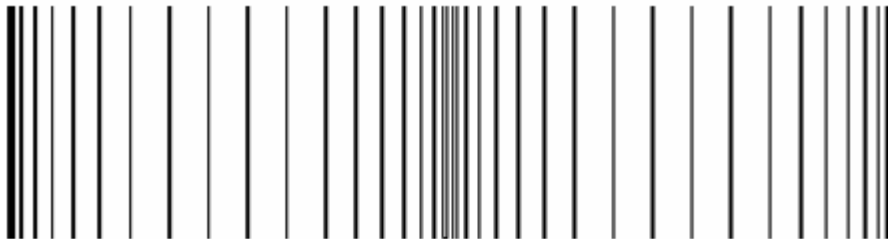
7. Draw a wave with low amplitude and a long wavelength below:

8. Draw a wave with high frequency and high energy:



9. Draw a wave with low frequency and low energy:

10. Label the parts of the longitudinal wave below. (wavelength, compression, rarefaction):



11. Label the parts of the transverse wave below (wavelength, amplitude, resting point, crest, trough):

