

## Review for Final test

### 1. Chemical change (CH) or Physical change (PH)?



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

### 2. *Physical or chemical?*

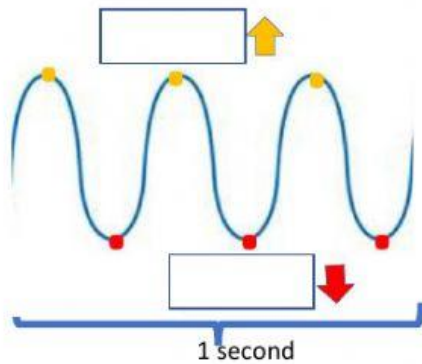
A \_\_\_\_\_ change does not change the particles that make up the matter.

A \_\_\_\_\_ change produces a completely different kind of matter.

### 3. Match:

- |                     |   |
|---------------------|---|
| • Heat energy       | is the movement of electric charges.                        |
| • Light energy      | is energy that we can see.                                  |
| • Electrical energy | is the transfer of energy from a warmer to a cooler object. |
| • Sound energy      | is energy that motion or position gives to an object.       |
| • Mechanical energy | is produced by vibrating objects.                           |

4. Label the picture:



crest

trough

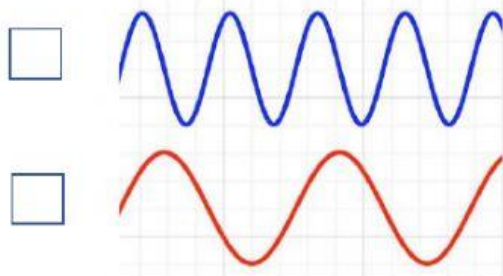
Frequency = \_\_\_\_\_  
cycles per second.

5. Match:

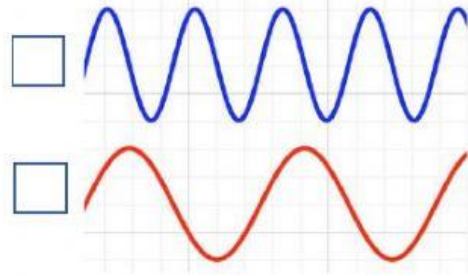
1. Frequency
2. Wavelength
3. Oscilloscope
4. Crests

piece of equipment that shows waves on a screen  
high points on waves shown on oscilloscope screens  
distance between similar points on two waves next to each other  
number of waves that pass a point in a certain amount of time

6. Tick a sound wave with longer wavelength:



7. Tick a sound wave with higher pitch:



8. Tick a wave with bigger amplitude.

