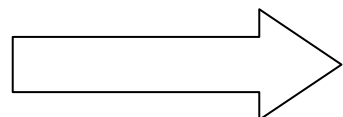
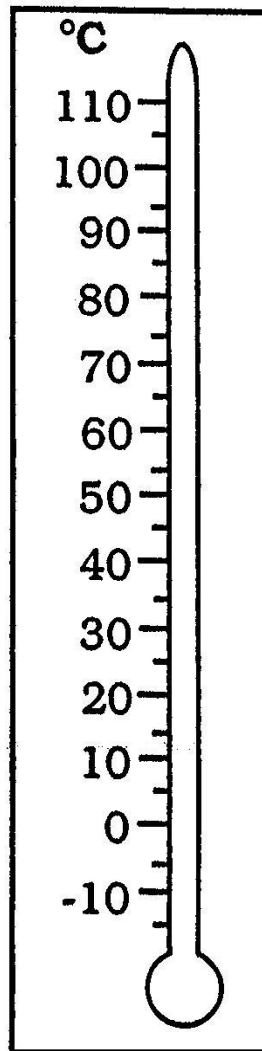


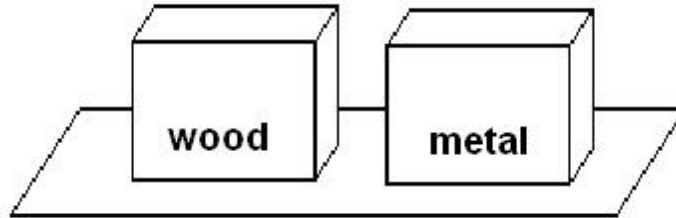
Human and Electronic Sensing

PostTest

1. Color in this Centigrade (Celsius) thermometer to show the temperature on a hot day in summer.

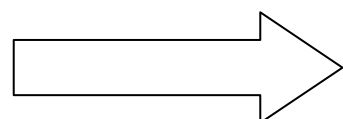


A wood block and a metal block have been sitting on the same shelf in a store all day. What do you feel when you touch them?



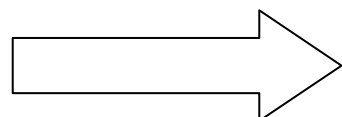
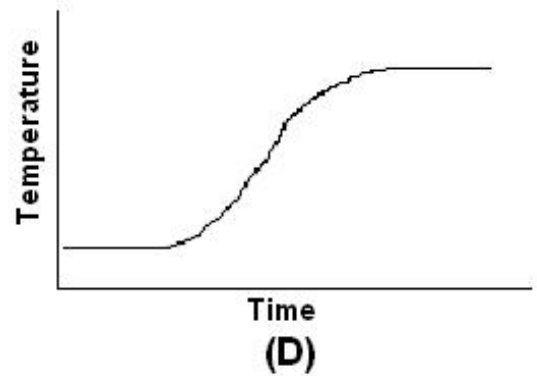
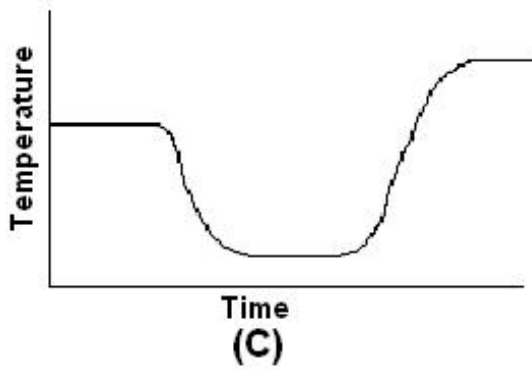
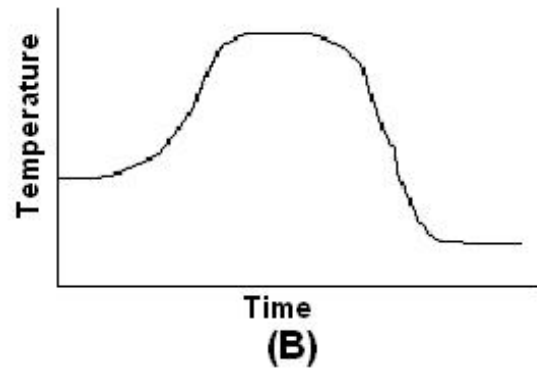
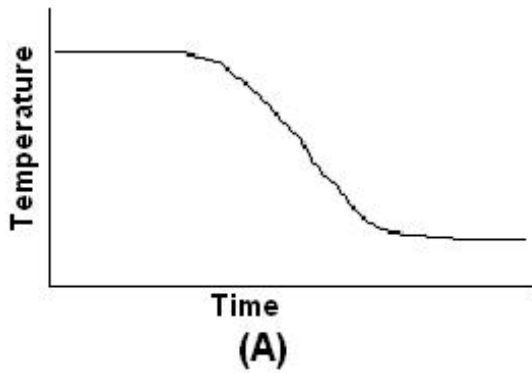
2. What do you feel when you touch them?
 - A. They feel the same.
 - B. The wood feels cooler.
 - C. The metal feels cooler.

3. What do you think will happen when you measure the temperature of the blocks?
 - A. They will be the same temperature.
 - B. The block of wood will have a lower temperature.
 - C. The block of metal will have a lower temperature.



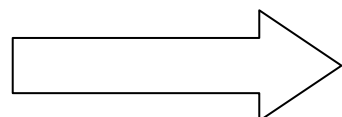
4. Jason used a temperature sensor to measure the temperature of different things. This is what he measured:
1. the air in the classroom
 2. a cup of cold water
 3. his body temperature under his chin

Which graph shows the data collected from the temperature sensor?

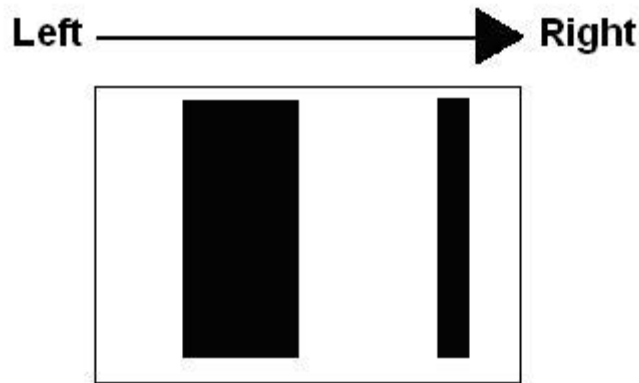


Pete's dad tested the headlights on the car. He checked them at night when it was dark outside and during the day when the sun was shining.

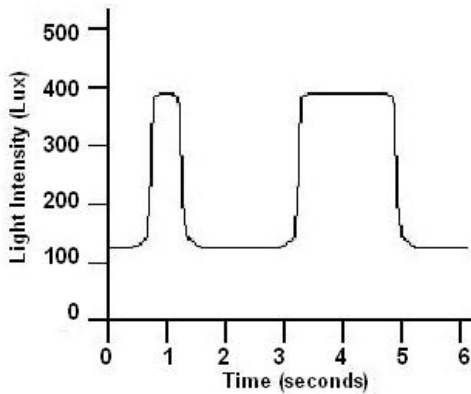
5. What do you think he saw?
- A. The headlights look brighter at night.
 - B. The headlights look brighter in the daytime.
 - C. The headlights look the same brightness at both times.
6. Pete's dad then used a light sensor to measure the brightness of the headlights. What do you think the light sensor measured?
- A. The headlights are brighter at night.
 - B. The headlights are brighter in the daytime.
 - C. The headlights are the same brightness at both times.



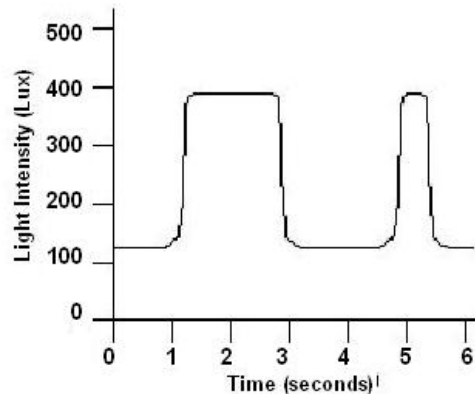
7. April put one wide and one narrow strip of black paper on top of a large sheet of white paper.



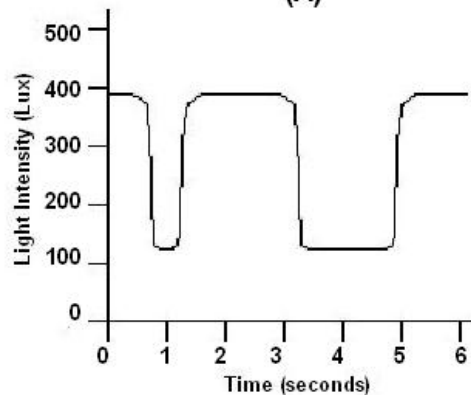
She used a light sensor to measure the brightness of the paper. She pointed the light sensor at the paper and moved it across the paper from left to right. Which graph shows the data collected from the light sensor?



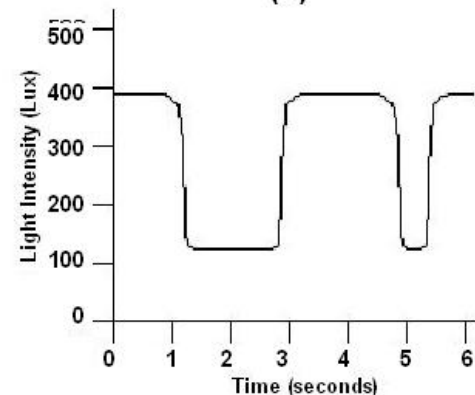
(A)



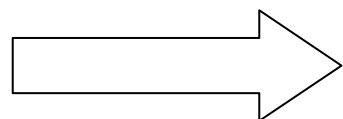
(B)



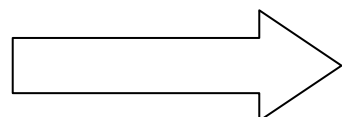
(C)



(D)



8. Mark was playing outside on a cold day. When he walked into his house the hallway felt warm. Later he went into the kitchen where it was very warm. When he walked back into the hallway he felt cold. A thermometer showed that the hallway was the same temperature all day. Why did the hallway feel different to Mark at different times of the day?



9. An eagle's eyes are close together in the front of its head.

a. What are eyes like that good for?

b. How do those eyes help the eagle survive?

A rabbit's eyes are on the two sides of its head.

c. What are eyes like that good for?

d. How do those eyes help the rabbit survive?

