QUIZIZZ Worksheets

Name

Chapter 7.2 Thermal Expansion and Contraction

Class

Total questions: 13

Worksheet time: 6mins

Date

Instructor name: Khaled Barhoom

1.



the picture represent a

a) thermal expansion

b) thermal contraction

2.



the picture represents a

a) thermal expansion

b) thermal contraction

LIVEWORKSHEETS

3. The air inside the balloon heats up and expands, the balloon rises. This is an effect of

a) thermal expansion
b) thermal contraction
c) thermal radiation
d) thermal conduction

4. The air inside the balloon cools and contracts, the balloon descends. This is an effect of

a) thermal expansion
b) thermal contraction
c) thermal radiation
d) thermal conduction

5. Why do hot-air balloons rise?

a) thermal conduction
b) thermal convection
c) thermal expansion
d) thermal radiation

6. Which term describes what happens to a cold balloon when placed in a hot car?

a) thermal conduction
b) thermal contraction
c) thermal expansion
d) thermal insulation

7. What is Thermal expansion?

a) The transfer of thermal energy between materials by the collisions of particles
b) Is a decrease in a materials volume when temperature decreases
c) An increase in a materials volume when temperature increases
d) Chicken fried rice

8. What is Thermal Contraction

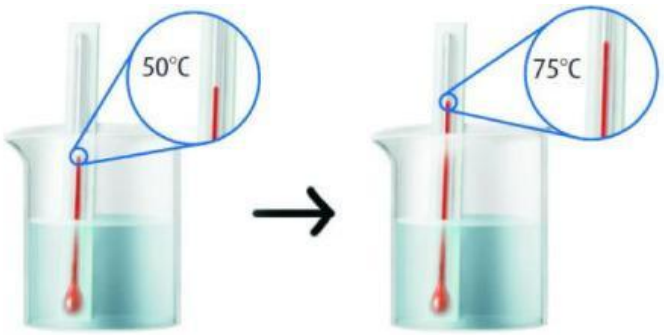
a) A Potato
b) A decrease in a materials volume when its temperature decreases
c) The movement of fluids in a cycle because of convection
d) A material through which thermal energy does not flow easily.

9. The liquid in the thermometer rises when it is placed in the hot water because _____.

a) it gains heat from the hot water and expands.
b) loses heat from the hot water and contracts.
c) the surrounding air is too warm.
d) the liquid is boiling.

LIVEWORKSHEETS

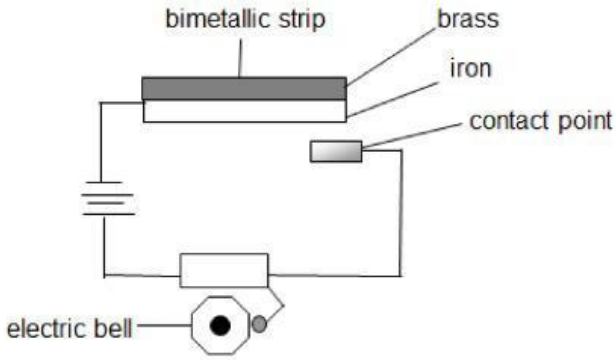
10.



What is happening to the fluid inside the thermometer in this image?

a) thermal expansion
b) thermal contraction
c) vaporization
d) boiling

11.



When temperature decreases, distance between molecules _____.

a) increases
b) decreases
c) stays the same

12. Expansion can be a problem in

a) Power cable
b) Railway tracks
c) Fire alarm

13. Contraction can be a problem in

a) Power cable
b) Railway tracks
c) Fire alarm

LIVEWORKSHEETS