PT. DARMA BANGSA EDUKASI
SMP DARMA BANGSA BANDAR LAMPUNG
Jl. Zainal Abidin Pagar Alam No. 93A Labuhan Ratu Bandar Lampung 35142
Phone (0721) 700931 – 771556, e-mail : official@darmabangsa.sch.id

FINAL EXIMINATION SEMSTER 1

SMP DARMA BANGSA BANDAR LAMPUNG

ACADEMIC YEAR 2021/2022

Mata Pelajaran / Subject Matter	:	Physics
Kelas / Class	:	VII
Semester	:	1
Hari & Tgl. Pelaksanaan / Date	:	December 6th, 2021
Name	:	

A. Multiple choice

Choose the correct answer of the following questions

1. Water boiling is an example of ____
   a. conduction
   b. convection
   c. radiation
2. The heat always travels from _____ to _____ objects
   a. hot to cold
   b. cold to cold
   c. cold to hot
   d. hot to hot
3. The baby chickens are kept warm from the heat lamps demonstrates this type of heat transfer.
   a. conduction
   b. radiation
   c. convection
4. You're holding hands with your best friend. Your friend's hands are REALLY warm and yours are really cold. After a few minutes, this has changed. How might you explain what happened?
   a. The cold energy from your hand transferred to your friend's hand through conduction.
   b. The heat energy from your friend's hand transferred to your hand through conduction.
   c. The cold energy from your hand transferred to your friend's hand through convection.
   d. The heat energy from your friend's hand transferred to your hand through convection.
5. The transfer of thermal energy through medium without any flow of the medium is called …
   a. conduction
   b. convection
   c. radiation
   d. convention

LIVEWORKSHEETS

6. A heating coil at the bottom of a rice cooker heats the base of a rice pot. The rice pot is filled with a mixture of uncooked rice and water. What are the main processes by which the following transfers take place?

	Transfer of heat from heating coil to base of rice pot	Transfer of heat inside rice pot mixture
a.	conduction	convection
b.	convection	conduction
c.	radiation	convection
d.	conduction	radiation

For no 7 – 10. State T if it is True or F if it is False

7.	60 °C = 112 °F	T	F
8.	80 °R = 90 °C	T	F
9.	167 °F = 75 °C	T	F
10.	24 °R = 86 °F	T	F

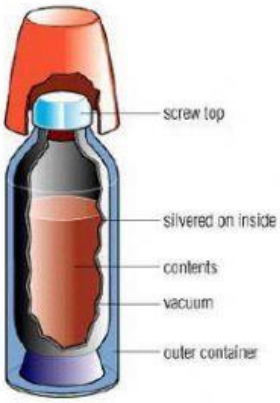
11. A car was painted black while another car was painted white. Both cars were left in the Sun to dry. The black paint dried more quickly than the white paint. Which property of black paint makes it dry more quickly?
    a. It is a better conductor of heat
    b. It is a better insulator of heat
    c. it is a better absorber of heat
    d. it is a better reflector of heat
12. When ice is heated, it changes to water and water on further heating gets converted to steam. What happens when steam is condensed?
    a. A new substance is formed
    b. No new substance is formed
13. Which of the following statements is correct?
    a. Evaporation is a chemical change
    b. Digestion of food is a chemical change
    c. Burning of paper is a physical change

LIVEWORKSHEETS

14. A vacuum flask is designed to reduce the rate of heat transfer. What method of heat transfer are reduced by the silvered surfaces?

    a. conduction
    b. radiation
    c. convection

15. Why does a vacuum reduce heat transfer by convection and conduction?



    a. Because the vacuum sucks the heat away
    b. Because the vacuum doesn't contain particles
    c. Because the vacuum stops all transfers of heat

LIVEWORKSHEETS