

Unit 2/ L 4

ST name: 41

Q1: Put correct number of meaning near each type of energy:

- 1-The transfer of energy between two solid objects that are touching.
- 2- The energy of moving particles of matter.
- 3-Movement of energy from hot or warmer object to cooler object.
- 4- The transfer of energy in moving gases or liquids.
- 5- Measure of average energy of motion of particles in an object.
- 6-The energy that come from a source in form of wave or particles.

A-(.....) Temperature درجة الحرارة

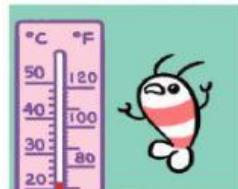
B-(.....) Conduction التوصيل

C-(.....) Radiation الاشعاع

D-(.....) Convection الحمل الحراري

E-(.....) Heat الحرارة

F-(.....) Thermal energy. الطاقة الحرارية

**Q2: Choose best answer:**

1- What does a thermometer مقياس الحرارة measure?

A- Mass

B- Temperature

C- Size

2-Which of the following tools works as thermal conductor موصل heat

easily.

A- Wood

B- Wool

C-Iron



3 – Transfer way in which heat can transfer in space:

A - Radiation

B - Conduction

C - Convection

6- Which three forms of energy are fireworks given off?

A-Light, sound, electrical

B- Light, sound, heat

C-Sound, electrical, mechanical

4 - On which objects, will Ahmad notice the melting of the butter first?

A- Plastic pan مقلة

B- Wood pan

C- The metal pan

5- A farmer needed to keep his baby chicks warm. He placed a light in their cage. Which sentence best explains the farmer's thinking of placing a light in the cage؟

A- The light would transfer thermal energy to the chicks' cage.

B- The chicks would be healthier if they were not in the dark.

C-The chicks would eat more to stay warm if they can see their food.



7-In the image below, what evidence can you gather to prove that energy is being transferred?

- A- The grill is transferring mechanical energy to cook the food.
- B- The grill is transferring sound energy to cook the food.
- C-The grill is transferring heat energy to cook the food.



8-It is very hot out side and you walk barefoot حافي القدمين on hot pavement رصيف. Predict what will happen in this scenario.

- A- Heat energy transfer from the pavement will cause your feet to feel hot.
- B- Light energy transfer from the pavement will cause your feet to feel hot.
- C- Light energy transfer from the pavement will cause your feet to feel cold.



Q3: How can producing thermal energy? Choose correct answer:

كيف تكون الحرارة؟ اختر الإجابات الصحيحة: عدة اجابات انظر. كتاب ص ٧١

- 1-Friction
- 2-Waves
- 3-Mixing
- 4-Voice
- 5-Burning
- 6-Lightbulbs

Q4: Connect each sentence with correct word:

1- Incandescent light transfer most energy in to.

Light

2-LED light transfer most energy into.

Heat

Q5: Put a number on the correct place on the picture:

- 1-Convection -- 2- radiation – 3- conduction



Q6: You have these materials arrange them in to electrical Conductors or insulators,

by putting number: 1= conductor or 2= Insulator:

صنف هذه المواد الى موصلات جيدة للكهرباء او عازل, بوضع رقم ١ موصل او ٢ عازل:

 WOOD	 Aluminums	 Plastic	 Copper نحاس	 Winter coat