Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Heat 4.1 Pearson 9 Science

*Match the terms to their definitions, by writing the number of the correct definition in the box.*

|  |  |  |  |
| --- | --- | --- | --- |
|  | TERM |  | DEFINITION |
|  | conductor | 1. | A measure of the average kinetic energy of particles in a substance that results in how hot or cold it is… |
|  | insulator | 2. | The flow of heat by conduction convection and radiation |
|  | heat transfer | 3. | Dark colours can \_\_\_\_\_\_\_\_\_\_\_\_ radiated heat |
|  | temperature | 4. | Heat transfer in liquid/ gas- less dense warm matter rises & more dense cooler matter sinks |
|  | radiation | 5. | The temperature at which particles lose kinetic energy measured as -273OC or 0K |
|  | thermometer | 6. | Vibration of particles passes heat along the substance |
|  | convection | 7. | The energy contained within an object because of its moving particles |
|  | conduction | 8. | Movement of heat in form of electromagnetic waves |
|  | Absolute zero | 9. | Material which does not allow heat to pass through |
|  | absorb | 10. | Light colours \_\_\_\_\_\_\_\_\_\_\_\_ radiated heat |
|  | reflect | 11. | A substance that allows heat to flow through it |
|  | heat | 12. | Equipment used to measure temperature |

Year 9 Science – Physical Sciences

**Year 9 Physics Vocabulary Mini Quiz**

**Heat 4.1 Pearson Science**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Write the correct term on the line next to each definition*

|  |  |  |  |
| --- | --- | --- | --- |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. | A measure of the average kinetic energy of particles in a substance that results in how hot or cold it is… |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2. | The flow of heat by conduction convection and radiation |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 3. | Dark colours can \_\_\_\_\_\_\_\_\_\_\_\_ radiated heat |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4. | Heat transfer in liquid/ gas- less dense warm matter rises & more dense cooler matter sinks |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 5. | The temperature at which particles lose kinetic energy measured as -273OC or 0K |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 6. | Vibration of particles passes heat along the substance |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 7. | The energy contained within an object because of its moving particles |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 8. | Movement of heat in form of electromagnetic waves |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 9. | Material which does not allow heat to pass through |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 10. | Light colours \_\_\_\_\_\_\_\_\_\_\_\_ radiated heat |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 11. | A substance that allows heat to flow through it |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 12. | Equipment used to measure temperature |

|  |  |  |  |
| --- | --- | --- | --- |
| **11** | conductor temperature | 1. | A measure of the average kinetic energy of particles in a substance that results in how hot or cold it is… |
| **9** | Insulator heat transfer | 2. | The flow of heat by conduction convection and radiation |
| **2** | heat transfer absorb | 3. | Dark colours can \_\_\_\_\_\_\_\_\_\_\_\_ radiated heat |
| **1** | Temperature convection | 4. | Heat transfer in liquid/ gas- less dense warm matter rises & more dense cooler matter sinks |
| **9** | radiation absolute zero | 5. | The temperature at which particles lose kinetic energy measured as -273OC or 0K |
| **12** | thermometer conduction | 6. | Vibration of particles passes heat along the substance |
| **4** | convection heat | 7. | The energy contained within an object because of its moving particles |
| **6** | conduction radiation | 8. | Movement of heat in form of electromagnetic waves |
| **5** | Absolute zero insulator | 9. | Material which does not allow heat to pass through |
| **3** | absorb reflect | 10. | Light colours \_\_\_\_\_\_\_\_\_\_\_\_ radiated heat |
| **10** | reflect conductor | 11. | A substance that allows heat to flow through it |
| **7** | heat thermometer | 12. | Equipment used to measure temperature |