**Year 9 Heat Comprehension Quiz Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Draw an arrow to show how heat travels between the heat source and the objects. State what the method of heat transfer is. (6 points)

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| --- | --- | --- |
| http://cdn.vectorstock.com/i/composite/39,96/melting-ice-cream-vector-953996.jpg | http://thumb1.shutterstock.com/display_pic_with_logo/776008/108101930/stock-photo-a-marshmallow-browns-himself-against-a-warm-fire-108101930.jpg | http://www.clker.com/cliparts/V/T/1/Q/R/s/boiling-cauldron-hi.png |
|  |  |  |

1. What form does radiation travel in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2 points)
2. Connect the word on the left to the correct term on the right which describes how radiation interacts with different objects and surfaces. (3 points)

|  |  |  |
| --- | --- | --- |
| Dark |  | Reflected |
| Light |  | Absorbed |
| Clear |  | Transmitted |

1. Which method of Heat Transport can technically conduct heat as well but is very inefficient. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2 point)
2. Draw a picture showing how a convection current (sea breeze) occurs between the land and the sea. Label the arrows and objects appropriately. (6 points)

(4+2+2+3 = 11 points)

