Assignment 1

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Indicate if the statements are True or False

1. It is important to understand the exact thermal profile of a flame in order to use it for cooking. 1 point
   - True
   - False
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: True

2. A model is useful only if it can predict data over the full range of experimental conditions. 1 point
   - True
   - False
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: False

3. Empirical modes are useful even if the underlying science is not understood. 1 point
   - True
   - False
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: True

4. There are no instances where the theoretical prediction has been made even before the experiment has been conducted. 1 point
   - True
   - False
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: False

5. For all materials as temperature increases, electrical resistance increases. 1 point
   - True
   - False
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: False

6. Mechanical properties of materials remain the same regardless of the condition under which it is tested. 1 point
   - True
   - False
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: False

7. Some excellent conductors of heat, may not be excellent conductors of electricity. 1 point
   - True
   - False
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: True

8. Metals typically expand on heating. 1 point
   - True
   - False
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: True

9. Thermal expansion of different materials becomes equal once they are in contact with each other. 1 point
   - True
   - False
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: False

10. A shallow and wide $E$ vs $x$ curve implies large coefficient of thermal expansion. 1 point
    - True
    - False
    No, the answer is incorrect.
    Score: 0
    Accepted Answers: True