

Assessment

The Science of Physics

Section Quiz: The Language of Physics

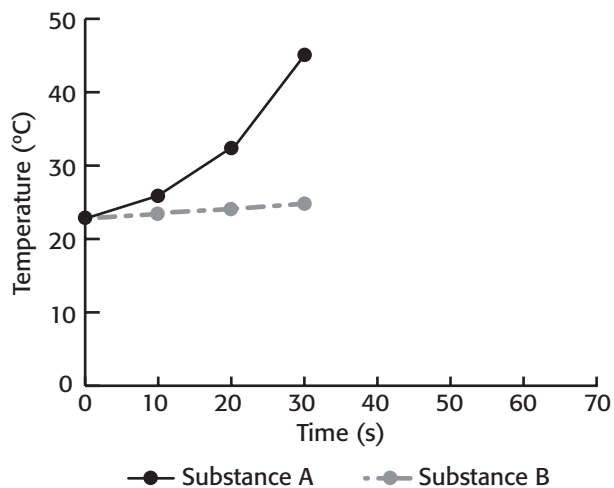
Write the letter of the correct answer in the space provided.

TABLE 1 DATA FROM HEATING EXPERIMENT

Time (s)	Substance A Temp (°C)	Substance B Temp (°C)
0.0	22.8	22.8
10.0	25.9	23.5
20.0	32.4	24.1
30.0	45.1	24.9

- _____ 1. Based on the data from Table 1, which of the following statements is correct?
- The temperature increased equally during each time period for both substances.
 - There is no relationship between heating time and temperature for either substance.
 - As time increased, the temperature increased for both substances.
 - none of the above

GRAPH 1 DATA FROM HEATING EXPERIMENT



- _____ 2. What does Graph 1 show about the heating rate of substance A versus substance B?
- Compared to substance B, substance A has a faster heating rate.
 - Compared to substance A, substance B has a slower heating rate.
 - Substance A and B heat at different rates.
 - all of the above

