

Related Graphic - TAKS 04 2009 08 SC E 0 #10

Temperature (°C)	Grams of Substance That Dissolve in 100 Milliliters of Water			
	Substance W	Substance X	Substance Y	Substance Z
10	5.0	22.0	70.0	37.0
20	8.0	32.0	52.0	37.5
30	10.0	45.0	42.0	38.0
40	15.0	60.0	35.0	38.5
50	20.0	80.0	28.0	39.0
60	26.0	100.0	22.0	39.5
70	33.0	130.0	18.0	40.0

Some students hypothesize that heating a mixture of any substance and water will always increase the amount of the substance that will dissolve in the water. The table shows results of an investigation testing this hypothesis. The results for which of the substances tested weaken this hypothesis?

- A) Substance W
- B) Substance X
- C) Substance Y
- D) Substance Z