

11 Thermostable enzymes can maintain their tertiary structure at high temperatures.

Scientists studying the primary structure of a thermostable enzyme found that the enzyme contained:

- more charged amino acids
- fewer polar amino acids that are **not** charged
- more hydrophobic amino acids

than enzymes that are **not** thermostable.

Which row shows a correct comparison between this thermostable enzyme and an enzyme that is **not** thermostable?

	number of amino acids forming interactions at the centre of a thermostable enzyme compared to an enzyme that is <b>not</b> thermostable	number of ionic bonds in a thermostable enzyme compared to the number in an enzyme that is <b>not</b> thermostable
<b>A</b>	less than	more than
<b>B</b>	less than	less than
<b>C</b>	more than	less than
<b>D</b>	more than	more than