



# SPEED OF DISSOLVING

Some sugar was dissolved in water. Decide in each pair which sample will dissolve fastest. **Circle** the fastest one in each case.

## Question 1

10 g sugar  
20°C  
100 cm<sup>3</sup> water  
stirring

or

10 g sugar  
40°C  
100 cm<sup>3</sup> water  
stirring

## Question 2

10 g sugar  
20°C  
100 cm<sup>3</sup> water  
stirring

or

10 g sugar  
20°C  
100 cm<sup>3</sup> water  
no stirring

## Question 3

15 g sugar  
20°C  
100 cm<sup>3</sup> water  
stirring

or

10 g sugar  
20°C  
100 cm<sup>3</sup> water  
stirring

## Question 4

10 g sugar cube  
20°C  
100 cm<sup>3</sup> water  
stirring

or

10 g sugar  
20°C  
100 cm<sup>3</sup> water  
stirring

## Question 5

10 g sugar  
20°C  
50 cm<sup>3</sup> water  
stirring

or

10 g sugar  
20°C  
100 cm<sup>3</sup> water  
stirring

## Question 6

10 g sugar  
20°C  
100 cm<sup>3</sup> water  
stirring

or

10 g sugar  
15°C  
100 cm<sup>3</sup> water  
no stirring

## Question 7

12 g sugar  
30°C  
100 cm<sup>3</sup> water  
stirring

or

10 g sugar  
20°C  
100 cm<sup>3</sup> water  
stirring

## Question 8

10 g sugar cube  
20°C  
100 cm<sup>3</sup> water  
stirring

or

10 g sugar  
20°C  
80 cm<sup>3</sup> water  
stirring

## Question 9

10 g sugar  
20°C  
100 cm<sup>3</sup> water  
stirring

or

10 g sugar  
23°C  
100 cm<sup>3</sup> water  
no stirring

## Question 10

5 g sugar  
30°C  
100 cm<sup>3</sup> water  
stirring

or

10 g sugar  
32°C  
100 cm<sup>3</sup> water  
stirring

Which of the following do you think will dissolve fastest? **Circle** your answer.

Which of the following do you think will dissolve slowest? Draw a **triangle** around your answer.

10 g sugar cube  
30°C  
100 cm<sup>3</sup> water  
no stirring

10 g sugar cube  
20°C  
100 cm<sup>3</sup> water  
no stirring

15 g sugar  
30°C  
100 cm<sup>3</sup> water  
stirring

10 g sugar  
40°C  
100 cm<sup>3</sup> water  
stirring

10 g sugar cube  
40°C  
100 cm<sup>3</sup> water  
stirring