

Name:

Quiz - KS2

Unit title: Does an asteroid's size affect its impact crater?

Q1 What is a control variable?

- A** Something you measure.
- B** Something you change.
- C** Something you keep the same.
- D** Something left out of the experiment.

Q2 Which piece of equipment could be used to measure the diameter of a crater?

- A** Magnifying glass.
- B** Ruler.
- C** Stopwatch.
- D** Weighing scales.

Q3 Which of these is a prediction?

- A** Bigger asteroids might make bigger craters.
- B** The 20 cm asteroid made a 25 cm crater.
- C** What is the pattern between asteroid and crater size?
- D** We should drop different sized asteroids into sand to measure crater size.

Q4 Put the method steps in the correct order:

- A** Measure the diameter of the crater with the ruler.
- B** Repeat the process three times.
- C** Drop each asteroid from 50 cm into a tray of sand.
- D** Make five different sized asteroids.

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Q5 Identify the anomalous (odd) result:

A 12.

B 39.

C 32.

D 63.

Q6 What is the missing units for crater size on the graph?

A Grams.

B Seconds.

C Centimetres.

D Lux.

Q7 What size crater does an asteroid of 35 grams make?

A 50.

B 6.

C 23.

D 39.

Q8 Which of these is a conclusion?

A I think bigger asteroids will make bigger craters.

B The 20 cm asteroid made a 25 cm crater.

C What is the pattern between asteroid and crater size?

D We should drop different sized asteroids into sand to measure the crater size.

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Q9	Which of these does not improve the degree of trust?
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A	Estimating the results.
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B	Keeping the control variables the same.
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C	Comparing group and class data.
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D	Repeating readings.
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Q10	Suggest a method to test if the angle the asteroid hits the sand makes a difference.
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[illegible]