

Name:

Date:

Unit title: Pneumatic toys

**1 What is a mechanism?**

- A Parts of an object that conduct electricity.
- B Parts of an object that move together.
- C Parts of an object that slot together.
- D Parts of an object that attach to each other.

**2 What is a pneumatic system?**

- A A mechanism that runs on water and ocean waves.
- B A mechanism that runs on air or squashed gas.
- C A mechanism that runs on electricity.
- D A mechanism that runs on petrol or diesel.

**3 Which of these is an example of a pneumatic system?**

- A A car axle.
- B A light switch.
- C A paint airbrush.
- D A stapler.

**4 What type of diagram are these?**

- A Rushed.
- B Thumbnail sketch.
- C Small.
- D Cross-sectional.

**5 What is an exploded diagram?**

- A Used to show how different parts of a product fit together on the inside and outside.
- B Shows all the components of a product from above.
- C Shows how a product will fit inside packaging.
- D Gives information about materials and where to use them.

**6 What are thumbnail sketches?**

- A Detailed diagrams that include measurements.
- B Accurate diagrams that explain how to make the product.
- C Small drawings to get ideas down on paper quickly.
- D Large sketches to share an idea with an audience.

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## KS2 Quiz

Unit title: Pneumatic toys

**7** Which of these can be used to input air for a pneumatic system?

- A A tap.
- B A switch.
- C A sound.
- D A ball pump.

**8** Which of these would not add movement to a pneumatic toy?

- A A pivot.
- B Glued paper.
- C A spring.
- D A linkage.

**9** Which of the following would a designer use?

- A A design brief.
- B Design criteria.
- C Labelled diagrams.
- D All of the above.

**10** Explain what happens when air is blown into the balloon.