

Name:

Date:

KS2 Quiz

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

3 What is an exploded diagram?

- A Illustrates how parts of a product fit together for clear assembly.
- B Displays all components of a product from above.
- C Shows how a product fits inside packaging.
- D Shows the materials and where to use them.

4 What type of sketches are these?

- A Rushed.
- B Thumbnail.
- C Small.
- D Diagrams.

5 What are thumbnail sketches?

- A Detailed drawings with measurements.
- B Accurate diagrams for assembly.
- C Small, quick drawings.
- D Large sketches to share ideas.

6 What is motion?

- A An event about to happen.
- B A sound or light from something powered with electricity.
- C The way that something works.
- D An object's movement when controlled by an input or output (e.g. left, right, up or down).

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7 What do we mean by the word function?

- A How something look.
- B How something works.
- C How something smells.
- D How something feels.

8 What is a paper net?

- A A 2D flat shape that can become a 3D shape once assembled.
- B Something you use to catch fish and butterflies.
- C A football goal.
- D The packaging that surrounds a food or drink product.

9 Why do designers use diagrams?

- A It makes it easier to copy the ideas and information later.
- B To frame and display it as artwork.
- C To show how a product looks, works and could be made.
- D To sell the design to someone before making it.

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