

## Post Assessment Quiz – Who is Our Mighty Mascots?

### **Functionality**

1. What is the definition of '**pneumatic**'? Fill in the gap below.

**Pneumatics** is a system that works using **compressed** \_\_\_\_\_

air  
liquid  
fire  
electricity

### **Purpose**

2. Which existing products use **pneumatic systems** to work or move? Circle the correct boxes.



### **Vocabulary**

3. What do these key words mean? Draw lines to connect the word to the definition.

**Input**

What comes out of a system.

**Compression**

What goes into a system.

**Output**

Pressing something into a smaller space

### **Technical**

4. How does a pneumatic system work? Draw arrows to show the **input** and **output** of the pneumatic system below.



### Technical

5. What **components** can you use to create a pneumatic system? Circle the correct answers.



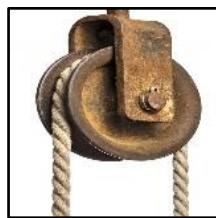
Cog



Tube



Syringe



Sheave



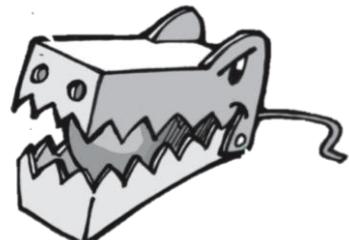
Balloon

### Aesthetics

6. What **materials** could you use to create an attractive finish to this cardboard mascot? Write two examples below.

1. \_\_\_\_\_

2. \_\_\_\_\_



### Problem solving

7. Miss Gibson has observed that the balloon on her model (above) does not inflate. What could be the cause of this?

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