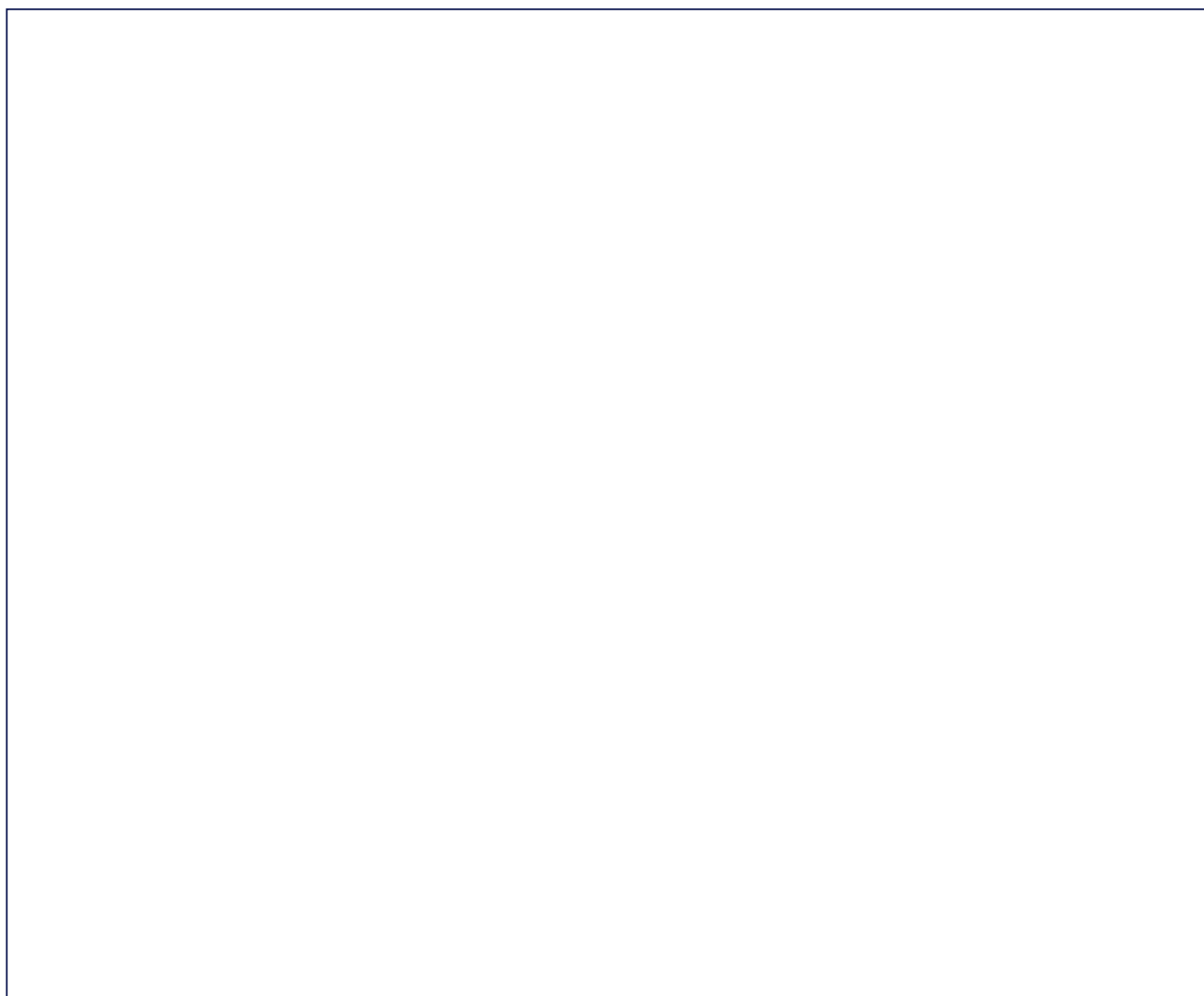


Explaining How Things Work: The Invention Diagram

Learning objective: To understand the structure and features of an explanation text by creating a visual diagram of a working machine.

Max the monkey is trying to explain how his new 'Automatic Fruit Sorter' works. Use your drawing space to illustrate his invention. Follow the steps below to ensure you include the key features of an explanation text, such as clear labels and directional arrows.

Draw: Draw a large, detailed machine in the centre of your page. Use a technical, pencil-sketch style. Ensure your machine has visible parts like levers, chutes, or cogs. Include arrows to show the sequence of events (the process). Leave space around the edges of the machine to add clear, neat labels using a ruler.



Label words: Introduction · Technical vocabulary · Diagram · Flow chart · Input · Mechanism · Process · Conclusion

Steps:

1. Step 1: Draw a clear diagram of a machine that sorts fruit. Label the 'Input' (where the fruit goes in) and the 'Output' (where the sorted fruit comes out).
2. Step 2: Add two arrows to your drawing to show the movement of the fruit. Label these arrows with a 'time conjunction' or 'adverb' (e.g., 'then', 'next', 'slowly').

3. Step 3: Choose one part of your machine and write a short, technical sentence to explain what it does. Use a colon to introduce your explanation.
4. Step 4: Think about the order of your machine. Why is it important to use chronological order in an explanation text?
5. Step 5: Write a title for your diagram that clearly states what the machine explains.