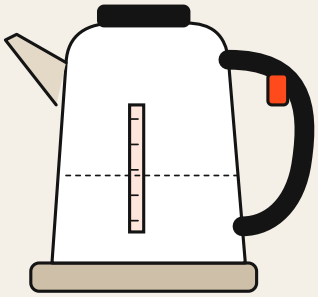
04 Function & performance.

WORKSHEET 04 · TOPIC 04 · USE COURSE NOTES PAGES 23–26 TO HELP YOU.

NAME | CLASS | DATE

TASK 1 Primary and secondary function — kettle

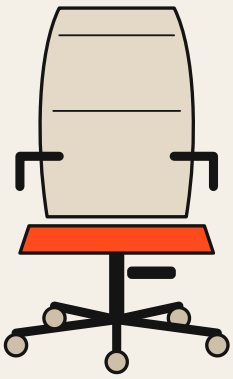


(a) State the primary function of the kettle.

(b) Describe three secondary functions. Refer to a part each time.

TASK 2 Office chair

3 + 2 marks



You must give different examples in (a) and (b).

(a) Describe how function may have influenced the design of the chair.

(b) Describe how safety may have influenced the design of the chair.

TASK 3 Stacking toy for toddlers

3 + 1 marks



(a) Outline three safety issues that would have been considered in the design of the toy.

(b) Outline one maintenance issue.

TASK 4 Performance — sports water bottle

2 marks



Describe two features that help the bottle **perform well**. Say how each one makes it work better.

TASK 5 Life expectancy

2 + 2 marks

(a) Describe two steps a **designer** could take to extend the life expectancy of the office chair.

(b) Explain how designing a product with a longer life expectancy can reduce its impact on the environment.