03 Generating ideas.

WORKSHEET 03 · TOPIC 03 · USE COURSE NOTES PAGES 23–26 TO HELP YOU.

NAME | CLASS | DATE

TASK 1 Brainstorm

With a partner or group, brainstorm ideas for **a desk lamp for a pupil who studies at home**. Set a timer for 5 minutes. Record every idea.

TASK 2 Morphological analysis — desk lamp

(a) Add four attributes for each parameter. **(b)** Circle one attribute in each column to make a combination.

LIGHT SOURCE	BASE SHAPE	ARM / STEM	MATERIAL	EXTRA FEATURE

(c) Sketch an idea using your combination. Annotate it.

TASK 3 SCAMPER a clothes peg

Use three different SCAMPER prompts to change a clothes peg into a new product. Sketch and label each one.

PROMPT: _____ PROMPT: _____ PROMPT: _____

TASK 4 Exam practice

3 + 3 + 1 marks

(a) Describe the key stages of brainstorming.

(b) Outline the key stages of morphological analysis. You may use a sketch.

(c) Name another idea generation technique.

TASK 5 Spot the mistake

A pupil was asked to name an idea generation technique and wrote **"mind map"**. Another wrote **"look at existing products"**. Explain why neither would gain a mark.