

CLICK ON THE SMALL CIRCLES FOR LINKS TO USEFUL INFORMATION.

THE HAND DRILL

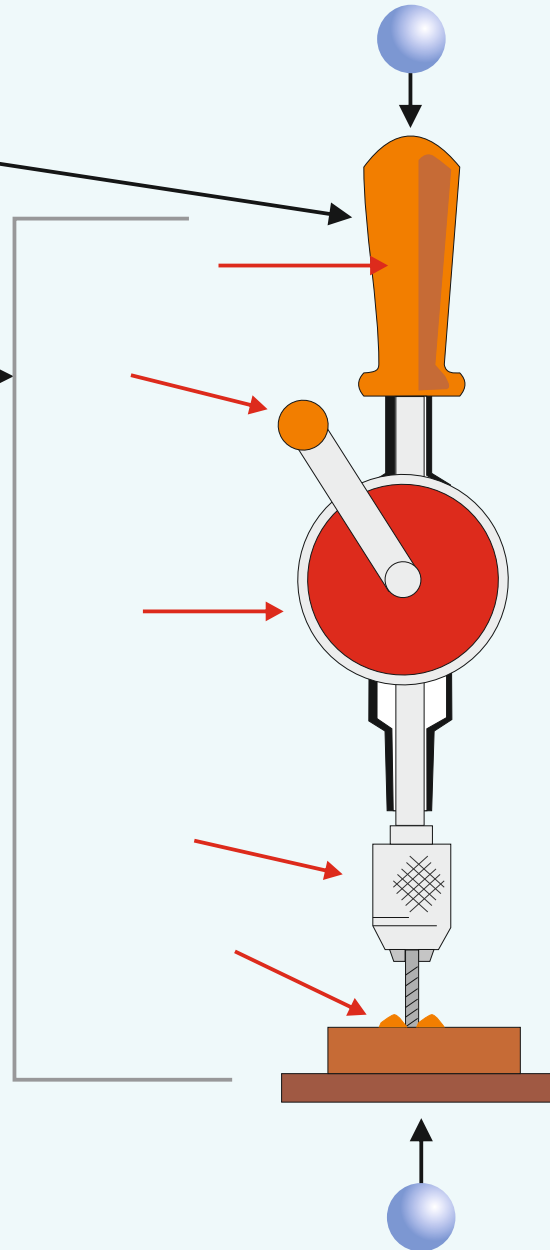
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1. When is a hand drill used?

2. List safety factors related to using a hand drill.

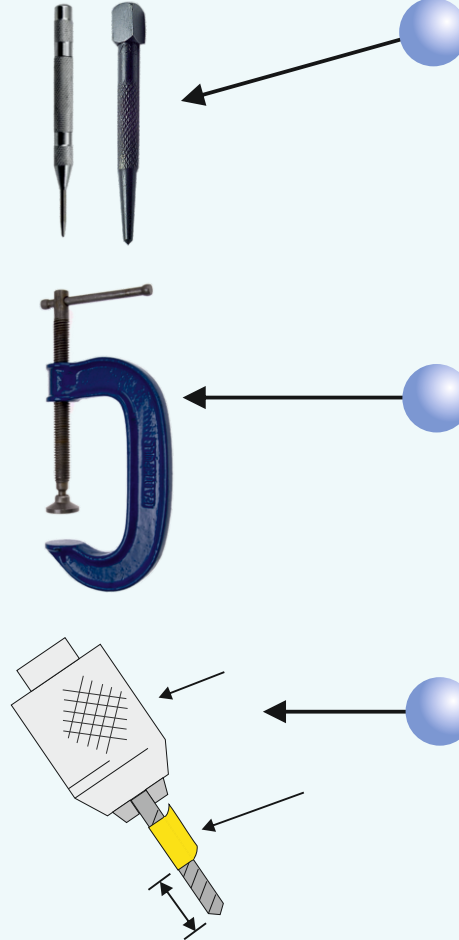
3. Label the parts of the hand drill, identified by red arrows.

4. Name the equipment / tool shown below. Explain how it differs from the hand drill.



5. Describe how a hand drill is used, to drill a hole. Include a sketch, if it helps you answer the question.

8. A dot punch or centre punch is required, when preparing to drill a hole. Explain how they are used. Include a labelled sketch.



7. Sketch how a G Cramp is used, to hold material securely when drilling.

6. Why is it sometimes useful, to wrap masking tape round a drill bit? Labelling the diagram may help you answer this question.

EXTENSION WORK

Describe the use of a Breast Drill (sometimes called: a chest drill, belly drill or knee drill). Emphasise how it differs from a hand drill. You may need to search the internet for information and images.