

MECHANISMS INFORMATION / WORKSHEETS

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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CAM QUESTIONS

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1. Complete the following sentence:

A CAM changes _____ motion (a rotating motion) to _____ motion (one that moves in a straight line). They are found in many machines and toys.

2. Sketch and explain a simple CAM. Label the profile and follower.

SKETCH

EXPLANATION:

3. Describe and sketch a device that has a CAM as part of its mechanism.

SKETCH

NOTES:

4. Explain the following terms:

ONE CYCLE: _____

DWELL: _____

THE RISE: _____

5. What is meant by 'the fall'? You may wish to include a diagram to help explain this term.

SKETCH

NOTES:

6. Sketch the following types of follower:

FLAT FOLLOWER

POINT/KNIFE FOLLOWER

ROLLER FOLLOWER

OFFSET FOLLOWER