

Name_____

Date_____

Compound Machines: Practice Test Grade 5

Question 1: Explain how a pencil sharpener is a compound machine:

_____ 2 Marks

Question 2: What mechanical advantage does a crane give its operator?

_____ 2 Marks

Create a sketch of a commonly found compound machine and indicate with lines or arrows which 3 or more simple machines it is made up of:

4 Marks

Question 4: Identify the mechanical advantage that a combined machine which combined a lever and an incline plane would provide its user. *Draw a picture or explain in a sentence.

_____ 3 Marks

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Complete the chart below with missing information about the development of Compound Machines over time.

	Water Transport	Hammers	Ploughs	Grading machines
Then		Early hammers were levers made from rocks tied to wooden or bone handles		
Now	Powerboats use screws (propellers) and wheel and axles to easily propel through the water.		Today a tractor pulled plough allows farmers to easily do work.	

5 Marks

Compound Machines in Mining or Compound Machines in Forestry

Write a paragraph about compound machines in forestry that:

- Describe how machines were used in the past
- Describe how machines are used now
- List advantages that each machine provides

6 Marks