

Name: \_\_\_\_\_ Group: \_\_\_\_\_

**1. Match the sentence halves.**

- a) An inclined plane is a ramp ... \_\_\_\_  
 b) An inclined plane increases the distance ... \_\_\_\_  
 c) The longer the ramp, ... \_\_\_\_  
 d) A screw is an inclined plane ... \_\_\_\_  
 e) A wedge is two ... \_\_\_\_

1. wrapped around a pole.  
 2. inclined planes back to back.  
 3. used to lift and to lower objects.  
 4. we move an object but makes the work easier.  
 5. the less inclined it is.

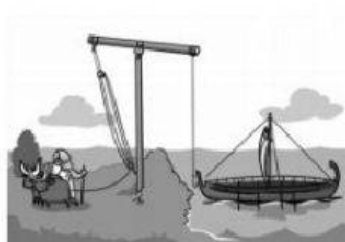
**2 Write what Archimedes did under each picture.**



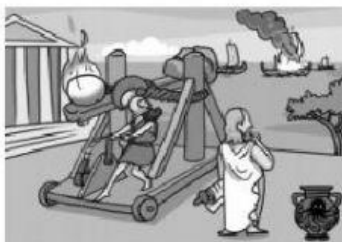
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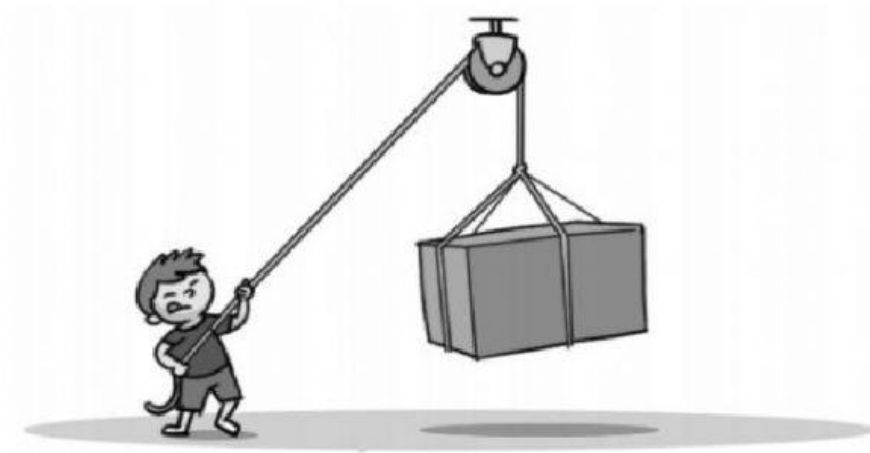
**3. Cross out the error and replace it with the correct word from the words in the box.**

fire    claw    screw    solving problems    Archimedes

- a) Archimedes invented a large pulley to lift boats out of the water.  
 b) He was very good at mathematics, inventing machines and fighting wars.  
 c) King Hiero II invented a machine to win a war.  
 d) He also invented a catapult to break large boulders.  
 e) A giant lever to lift water was another of his inventions.

**4 . Draw arrows to label the illustration.**

|        |      |      |      |       |
|--------|------|------|------|-------|
| EFFORT | ROPE | AXLE | LOAD | WHEEL |
|--------|------|------|------|-------|



**5 . Draw a catapult, a screw and a claw.**

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|  |  |  |
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