

Engineering Concepts

Trebuchet Quiz

Mr. James

Name _____

Date _____

Period _____

1. What is a trebuchet?
 - a. siege engine
 - b. gravity machine
 - c. steam engine
 - d. type of plant
2. When was trebuchet used?
 - a. New Ages
 - b. Middle Ages
 - c. After Ages
 - d. 1900s
3. Trebuchets appear in China in about the:
 - a. 5th century
 - b. 6th century
 - c. 4th century
 - d. 1st century
4. What are the other names of a trebuchet?
 - a. counterweight trebuchet
 - b. counterpoise trebuchet
 - c. trebucket
 - d. all the above
5. A trebuchet works by using the mechanical principle of leverage to propel a stone:
 - a. True
 - b. False
6. The trebuchet derives from the ancient:
 - a. slung
 - b. sling
 - c. string
 - d. sing
7. The first clearly written record of a counterweight trebuchet comes from an Islamic scholar:
 - a. Muhammad Ali
 - b. Mahamood Bin Tughlaq

- c. Mardi bin Ali al-Tarsusi
 - d. Mardi Ali Khusro
8. When did British forces construct a trebuchet?
 - a. 1890
 - b. 1766
 - c. 1779
 - d. 1569
 9. Why were trebuchets used?
 - a. smash masonry walls
 - b. to throw projectiles over walls
 - c. during wars
 - d. all the above
 10. Today, smaller trebuchets are built for school science and history fairs, competitions or as a hobby:
 - a. True
 - b. False
 11. What is the object that is thrown called?
 - a. Projectile
 - b. A cow
 - c. A Flaming Arrow
 - d. Shotgun Shells
 12. What component makes up the majority of a trebuchet?
 - a. Counter Weight
 - b. Frame
 - c. Arm
 - d. Sling
 13. What is used to power the trebuchet?
 - a. A can
 - b. Counter weight (e.g. lemonade bottle full of water)
 - c. An elastic band
 - d. A bouncy ball
 14. What does the **M** stand for in the equation: $E = MGH = \frac{1}{2}MV^2 + \frac{1}{2}M^2V^2$
 - a. Gravity
 - b. Height
 - c. Mass
 - d. Meter
 15. What does the **L** stand for in the equation: $VPJ = \frac{L^2}{L^1} \cdot V_{cw}$
 - a. Lever
 - b. Length
 - c. Light
 - d. Lift

Use this Game to improve Trebuchet: <http://www.globalspec.com/trebuchet/>