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Vocabulary Builder Reference from...

Peter Bohacek: How does work... work? | TED Talk
https://www.ted.com/talks/peter_bohacek_how_does_work_work

Advanced Words Only

IMPORTANT

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Session 1: Word List

crank

n. a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

synonym: eccentric, oddball, kook

(1) **crank** handle, (2) **crank** caller

The fishing reel had a **crank** that made it easy to reel in the catch.

gravitational

adj. relating to or caused by gravity (= the force that attracts objects towards one another)

synonym: weighty, heavy, earthbound

(1) **gravitational** energy, (2) **gravitational** waves

The **gravitational** force of the black hole was so strong that nothing, not even light, could escape.

joule

n. the unit of measurement for energy in the International System of Units (SI), equal to the work done by a force of one newton when its point of application moves one meter in the direction of the force

synonym: calorie

(1) measure energy in **joules**, (2) **joule** heating

A 60-watt light bulb uses 60 **joules** of energy per second.

horsepower

n. a unit of power used to measure the output of mechanical engines, specifically the amount of work that one horse can do in a set amount of time

synonym : HP, power, energy

(1) maximum **horsepower**, (2) engine **horsepower**

The company's new generator has a **horsepower** rating of 1000, making it ideal for large buildings.

Session 2: Spelling

1. jo__e heating *n.* the unit of measurement for energy in the International System of Units (SI), equal to the work done by a force of one newton when its point of application moves one meter in the direction of the force

2. gra_____nal energy *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)

3. measure energy in jo__es *n.* the unit of measurement for energy in the International System of Units (SI), equal to the work done by a force of one newton when its point of application moves one meter in the direction of the force

4. cr__k caller *n.* a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

5. cr__k handle *n.* a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

6. maximum hor_____er *n.* a unit of power used to measure the output of mechanical engines, specifically the amount of work that one horse can do in a set amount of time

ANSWERS: 1. joule, 2. gravitational, 3. joule, 4. crank, 5. crank, 6. horsepower

7. engine hor_____er

n. a unit of power used to measure the output of mechanical engines, specifically the amount of work that one horse can do in a set amount of time

8. gra_____nal waves

adj. relating to or caused by gravity (= the force that attracts objects towards one another)

ANSWERS: 7. horsepower, 8. gravitational

Session 3: Fill in the Blanks

1. The fishing reel had a _____ that made it easy to reel in the catch.
n. a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person
2. The _____ force of the black hole was so strong that nothing, not even light, could escape.
adj. relating to or caused by gravity (= the force that attracts objects towards one another)
3. The company's new generator has a _____ rating of 1000, making it ideal for large buildings.
n. a unit of power used to measure the output of mechanical engines, specifically the amount of work that one horse can do in a set amount of time
4. A 60-watt light bulb uses 60 _____ of energy per second.
n. the unit of measurement for energy in the International System of Units (SI), equal to the work done by a force of one newton when its point of application moves one meter in the direction of the force

ANSWERS: 1. crank, 2. gravitational, 3. horsepower, 4. joules