



**ESPACIO CURRICULAR:** Inglés Técnico 3  
(Electromecánica)

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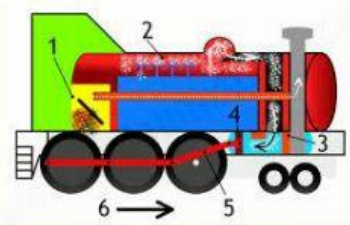
**Student's Name:**.....

**Course:**.....

**Date:**.....

**1. Read the text and complete with the missing Word:**

*Cycle – piston – heat – steam – locomotives – cylinder - thermodynamic- flywheel*



A **steam engine** is a (1)..... engine that performs mechanical work using steam as its working fluid. The steam engine uses the force produced by steam pressure to push a (2)..... back and forth inside a (3)..... This pushing force is transformed, by a connecting rod and (4)....., into rotational force for work. The term "steam engine" is generally applied only to reciprocating engines as just described, not to the steam turbine.

(5)..... engines are external combustion engines, where the working fluid is separated from the combustion products. The ideal (6)..... cycle used to analyze this process is called the Rankine (7).....

In general usage, the term *steam engine* can refer to either complete steam plants (including boilers etc.) such as railway steam (8)..... and portable engines, or may refer to the piston or turbine machinery alone, as in the beam engine and stationary steam engine.

**2. Answer these questions in SPANISH:**

a) What is a steam engine?

.....

b) How does a steam engine work?

.....

c) Are steam engine internal combustion engines?

.....

d) How is called the cycle to describe thermodynamic cycle?

.....

**3 Vocabulary. Match:**

1) Piston – 2) steam – 3) locomotives – 4) cylinder – 5) thermodynamic- 6) flywheel

a) the branch of physical science that deals with the relations between heat and other forms of energy. (...)

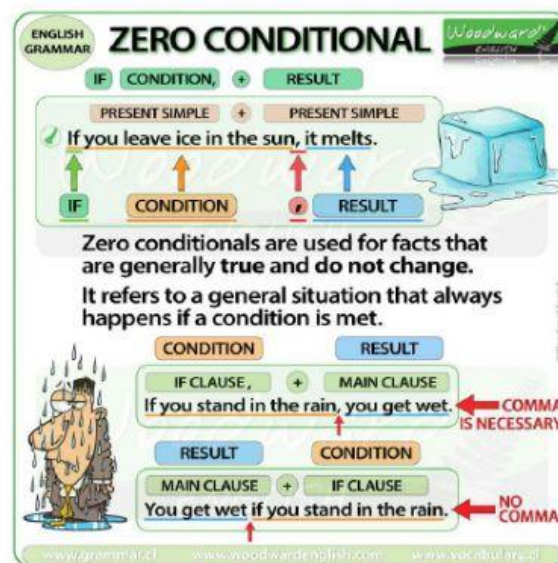


- b) a powered railway vehicle used for pulling trains. (...)
- c) a short, solid piece of metal that moves up and down inside a cylinder in an engine to press the fuel into a small space and to send the power produced by it to the wheels. (...)
- d) the vapor into which water is converted when heated, forming a white mist of minute water droplets in the air. (...)
- e) a heavy revolving wheel in a machine which is used to increase the machine's momentum and thereby provide greater stability or a reserve of available power. (...)
- f) is a closed solid that has two parallel (usually circular) bases connected by a curved surface. (...)

### ZERO CONDITIONAL



(Recuerden que el único tiempo verbal que se utiliza en el Condicional 0 es el presente simple)



### 4. Complete with the correct form of the verbs:

- a) The mechanic.....(get) tired if he .....(work) too much.
- b) If I .....(be) late for school, the teacher .....(start) the class anyway.
- c) If the battery.....(not/ be) full, the controller .....(not/ stop) the flow.
- d) If you .....(heat) metal at 961° C, it.....(melt)
- e) If the light bulb.....(drop), it .....(break)



- f) If you .....(heat) ice, it .....(melt).
- g) The river .....(freeze) if it .....(be) very cold.

**5. Choose 4 (four) sentences and translate them into SPANISH**

- 1.....
- 2.....
- 3.....
- 4.....

**Take Care!**

