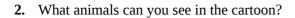
Première STL Physics in English

Penguin and energy transfers

Based on the cartoon from « Animals save the planet » (On <u>www.youtube.com</u>, browse "animals save the planet")

1. Where does the cartoon take place?

Fill in the sentences:





a.	When	feeds the penguin with	, the penguin starts pedalling.
b.	When the penguin	, he produces	to
c.	The faster he pedals, the more		
d.	Now make a similar sentence, using the words: fish, big, fast:		

- **e.** The second bulb needs ______ to produce the same lighting.
- **4.** What kind of bulb is the second one?
- **5.** Write down the sentence heard at the end of the cartoon: (using the words: bulbs, ordinary, saving, fifth)

Physics:

- **1.** What form(s) of energy is(are) given to the penguin?
- **2.** What form(s) of energy is(are) <u>produced</u> by the penguin?
- **3.** The machine behind the penguin is an **alternator**. Fill in the diagram:



Make a sentence according to this diagram.

- **4.** Draw a similar diagram for :
 - a. the lightbulb
 - **b.** the penguin