

Oil platform

Introduction

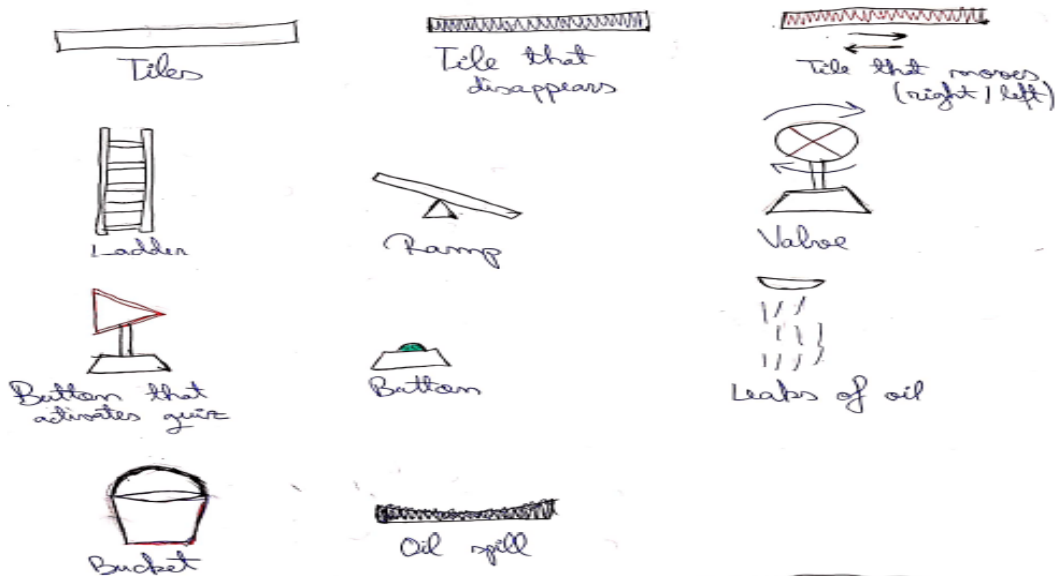
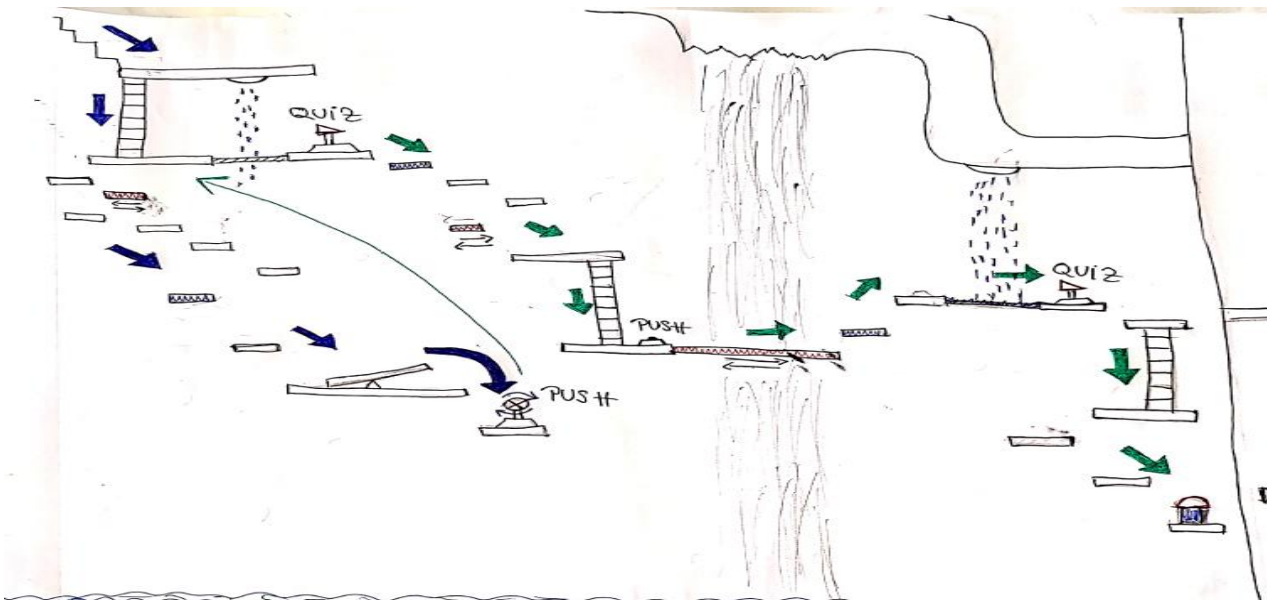
Petroleum is a naturally occurring, yellowish-black liquid found in geological formations beneath the Earth's surface. Even though petroleum products make life easier, finding, producing, moving and using them can harm the environment through air and water pollution. This is due to the toxicity of petroleum which contributes to air pollution, acid rain and various illnesses in humans, but also fuels climate change.



Part 1

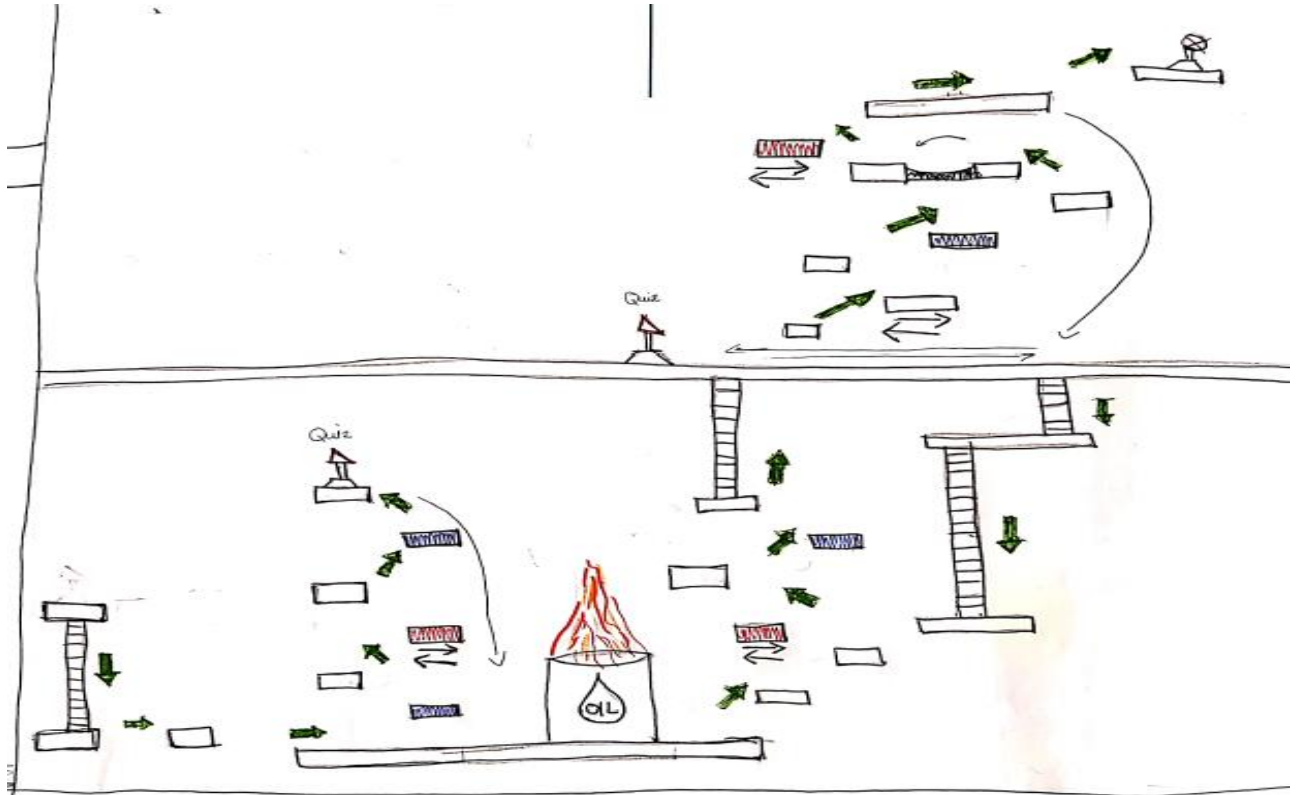
The player is on an oil platform where he has to stop the leaks of petroleum in order to clean the water.

Firstly, he has to go down the stairs, then he needs to follow the path until he reaches the ramp which is near the valve that needs to be pushed. After that, he goes back to the stairs in order to solve the quiz, then he needs to find a way to reach the button that has to be pushed. So that, the moving tile stops and he is able to continue the level. He pushes another button to stop the leak, jumps over the oil spill and solves the second quiz. After solving the second quiz, he goes down the stairs until he finds the bucket filled with petroleum neutralizer. He goes back with the bucket and neutralizes the oil spill.

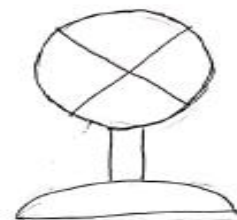


Part 2

The player goes down the stairs and follows the path to the button that activates the quiz he needs to solve. After solving the quiz correctly, he passes near the burning gas can. He climbs the stairs and the ladder until he finds the fire system. He rotates the valve in order to stop the fire. He goes back to the second quiz and he solves it. Then, he continues the level, trying to save the world he lives in.



Burning gas can



Hot Fire System

Questions

1. what kind of pollution do cars produce ?
 - carbon monoxide
 - nitrogen oxider
 - hydrocarbons
2. Which diseases are caused by air pollution ?
 - asthma
 - bronchitis
3. What do catalytic converters do ?
 - control exhaust emission
 - convert toxic gases and pollutants in exhaust gas/into less toxic pollutants
4. What are the main non-renewable energy sources ?
 - oil
 - natural gases
5. What happens when we burn fossils fuels such as coal, oil or gas?
 - create electricity
 - power our cars
 - release CO2 pollution into the atmosphere
6. What is the ecological solutions energy transition promotes ?
 - wind power
 - hydraulic dams
 - solar energy
 - biomass

Dialogue

First dialogue

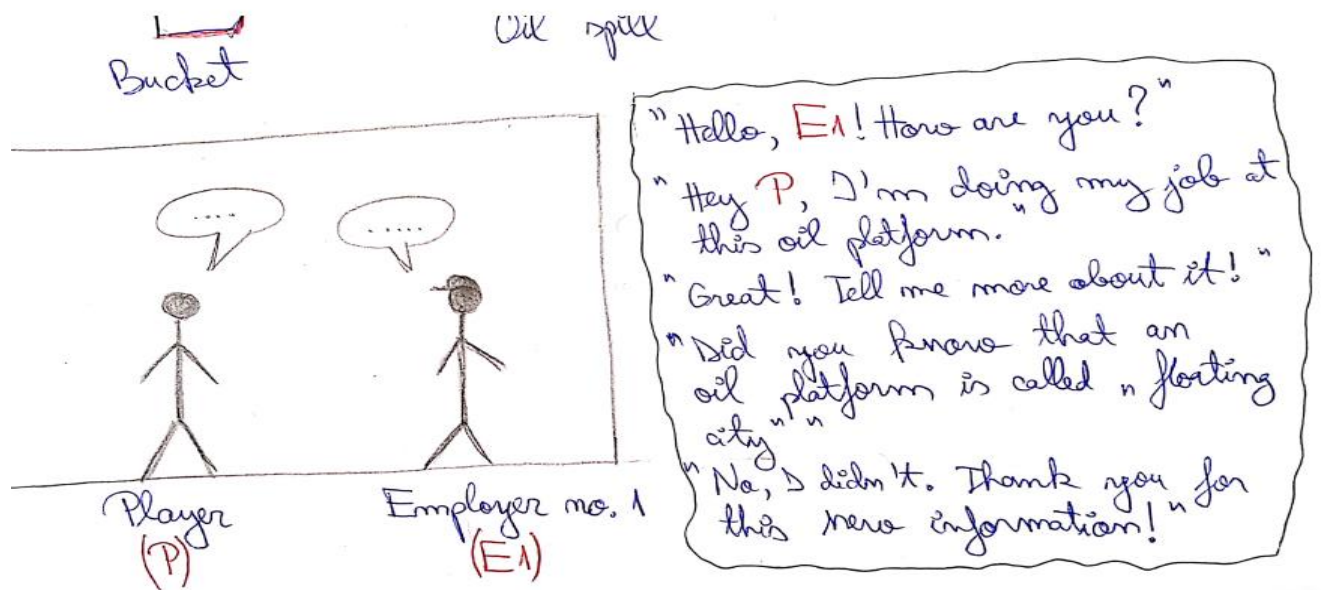
"Hello, **E1**! How are you?"

"Hey **P**, I'm doing my job at this oil platform."

"Great! Tell me more about it!"

"Did you know that an oil platform is called **floating city**."

"No, I didn't. Thank you for this new information!"

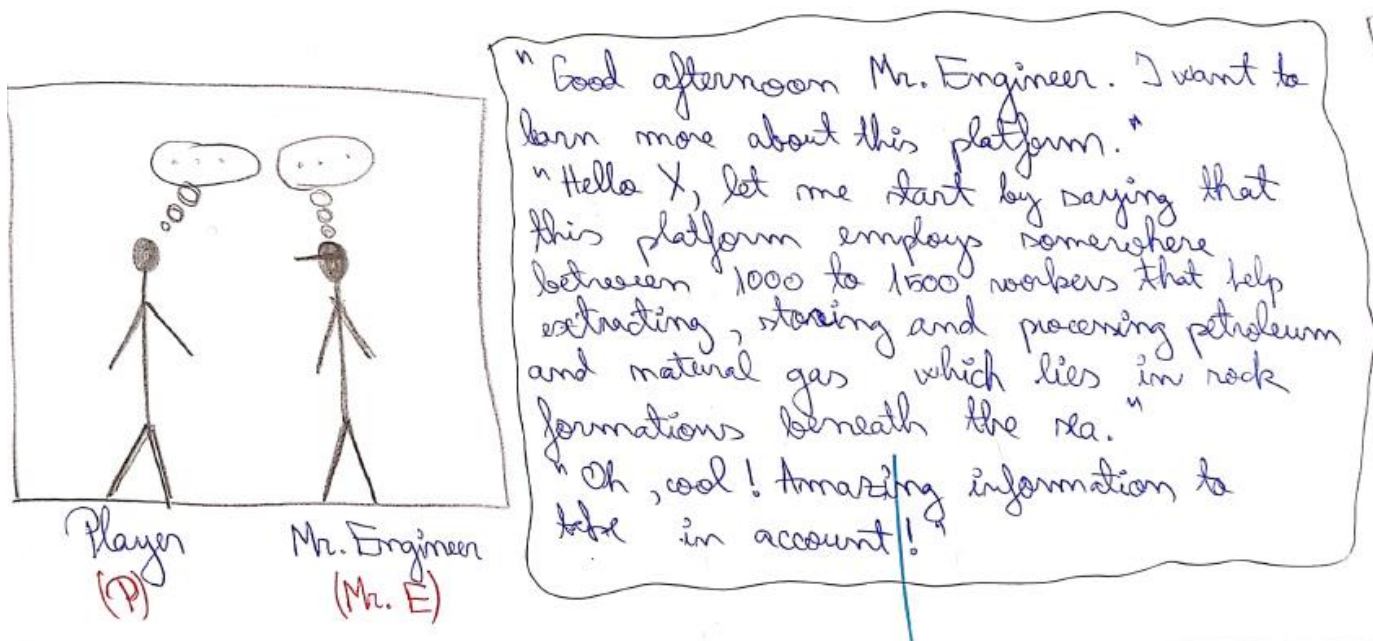


Second dialogue

"Good afternoon Mr. E. I want to learn more about this platform. "

"Hello X let me start by saying that this platform employs somewhere between 1000 to 1500 workers that help extracting, storing and processing petroleum and natural gas which lies in rock formation beneath the sea."

"Oh, cool! Amazing information to take in account!"



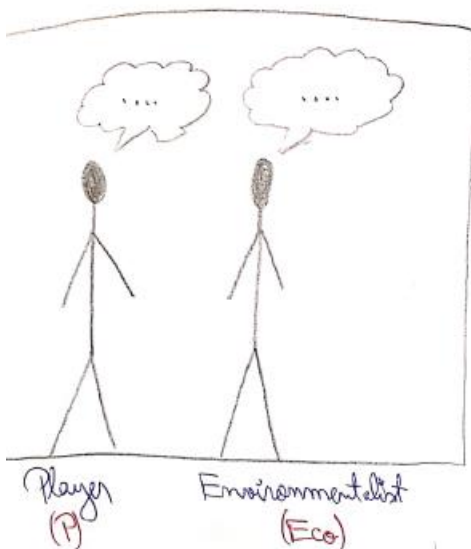
Third dialogue

"Hi, **Eco**! What do you think about the effects on the environment that involves oil platform?"

"So, oil production involves environmental risks, most notably oil spills from oil tankers or pipes transporting oil from the onshore platforms."

"Ok, so it's not very good for the environment. What should we do about it?"

"The main source of petroleum is based on the oil platforms that produce a lot of fossil fuels."



"Hi, **Eco**! What do you think about the effects on the environment that involves oil platforms?"
"So, oil production involves environmental risks, most notably oil spills from oil tankers or pipes transporting oil from the onshore platforms."
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