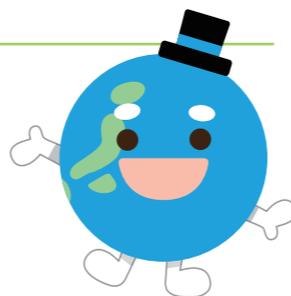


Worksheet

Let's Learn about the People who Work in Factories!



Aims

- Understanding the various kinds of work in factories and the roles people play.
- Understanding the ways of improving safety, reliability and productivity, and the efforts and feelings of workers.

1. People with various jobs work in factories. Let's list what kinds of work are necessary. When making the list, write on the right what kind of work you are interested in.

(Ex. People who assemble ceilings)

- People who assemble steel frames (welders)
- People who do electric wiring
- People who manage the production line
- People who conduct surveys
- People who attach the walls of rooms
- People engaged in transportation

I am interested in
" people who assemble steel frames "

2. Let's think about the role of the work you chose in 1

Specify where, with whom, and what kind of work is done. Indicate why you chose that work.

Workers weld and assemble steel frames at the house where the order has been placed. Many people work together in a large area. Welding seems difficult, but I chose it because you can utilize your own techniques.

3. Robots are used at many factories. Let's think about what kind of work robots and people do.

(1) What kinds of work are robots good at and what are its characteristics?

- The speed of work is fast.
- They can work in places that are dangerous for humans.
- They can carry large or heavy objects that humans cannot carry.

(2) What kinds of work are humans good at and what are its characteristics?

- Humans can do detailed work that is difficult for robots.
- Humans can respond flexibly to orders with different contents.
- Humans can contrive solutions by working together as a team.

(3) Even if robots evolve, in what situations will humans be necessary?
(Hint for thinking: At what times do we feel happy, pleased, or that we've done well?)

- Robots can do simple, repetitive work, but there are complex kinds of work that only humans can do.
- Humans can find ingenious ways of creating good products and they can cooperate with each other.
- We cannot rest assured unless humans conduct the final inspection.

(4) What kinds of improvements are being made at factories so that robots and humans can work together to create even better products?

Robots are used mostly in situations where it is dangerous or the work is simple and repetitive. Complicated and detailed work, such as attaching different parts one by one, is done by humans working together as a team. Better products are produced through the efforts and ingenuity of humans and their teamwork.