



Which statements are True and which statements are False?

**WELL DONE!**

- ✓ **TRUE / FALSE**    **A)** It is possible for factories to use alternative fuels to run vehicles and provide electricity for buildings.
- ✓ **TRUE / FALSE**    **B)** Reducing the energy used to power factories also reduces greenhouse gas emissions.
- ✓ **TRUE / FALSE**    **C)** It takes less energy to manufacture the packaging that the products are wrapped in.



**Open Discussion:**

Think about how items are made. What parts of the manufacturing process do you think result in greenhouse gas emissions?



Think about all of the things you use every day that are **manufactured**, or made by people. Pens, desks, computers, refrigerators, music players, even this book you are reading all had to be manufactured from raw materials, like trees, **metal ores**, and **petroleum oil**. The mining of **raw materials**, production of goods in factories, and the packaging and shipping of goods to stores results in a lot of greenhouse gas emissions.



# Manufactured Items and their Raw Materials

## Raw Materials

White Sand



Rubber Tree



Synthetic Leather



Crude Oil



Trees



(raw material)

(raw material)

(raw material)



Plastic Lunch Container



Glass Juice Container



Container

Paper

Eraser

Soccer Ball

## Manufactured Classroom Items



Reset