

รายวิชา ภาษาอังกฤษ

รหัสวิชา อ22102

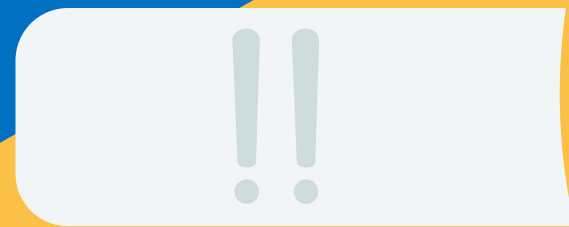
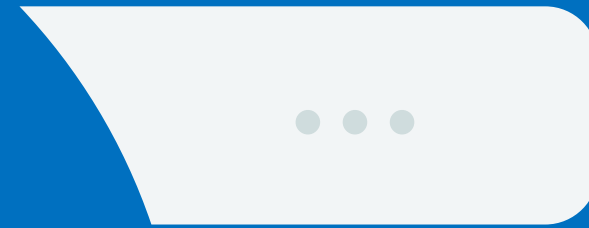
ชั้นมัธยมศึกษาปีที่ 2

Design Your Own Invention

ครูผู้สอน ครูสรวรรยา อุดรพรหม

ครูศุภณัฐ รักพงษ์







A: What is it?

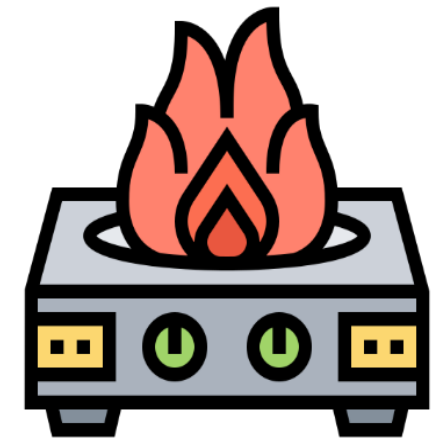
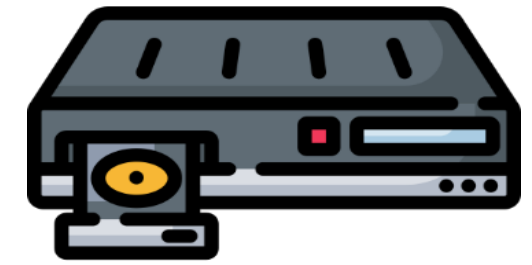
B: It is _____.

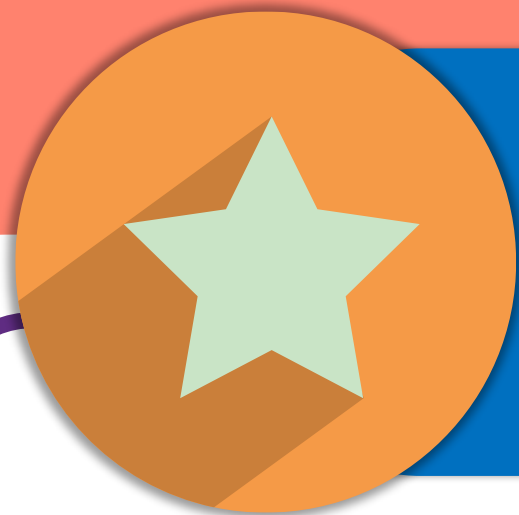
A: What can you use it for?

B: I can use it for _____.



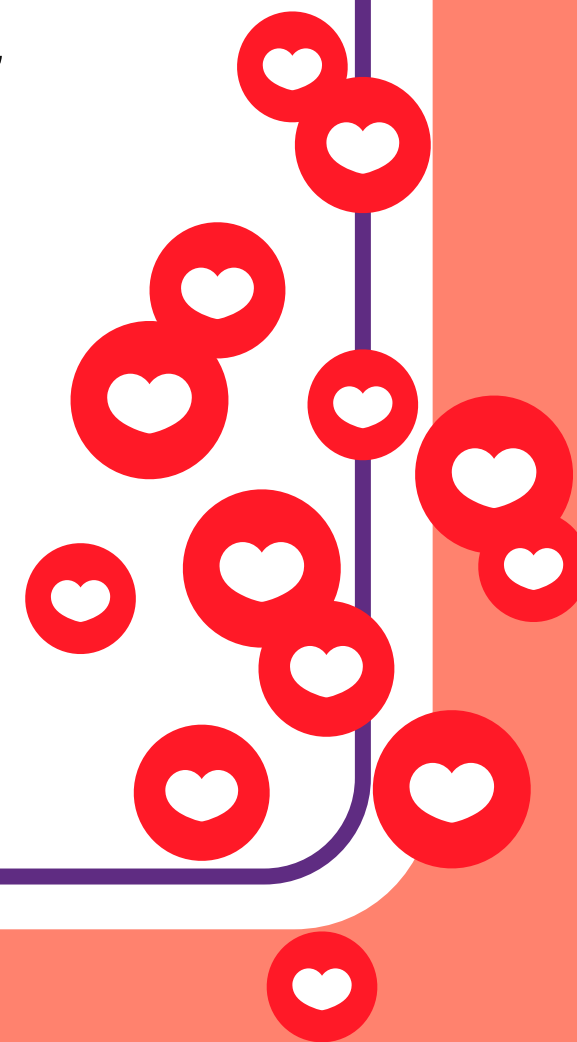
Design Your Own Invention





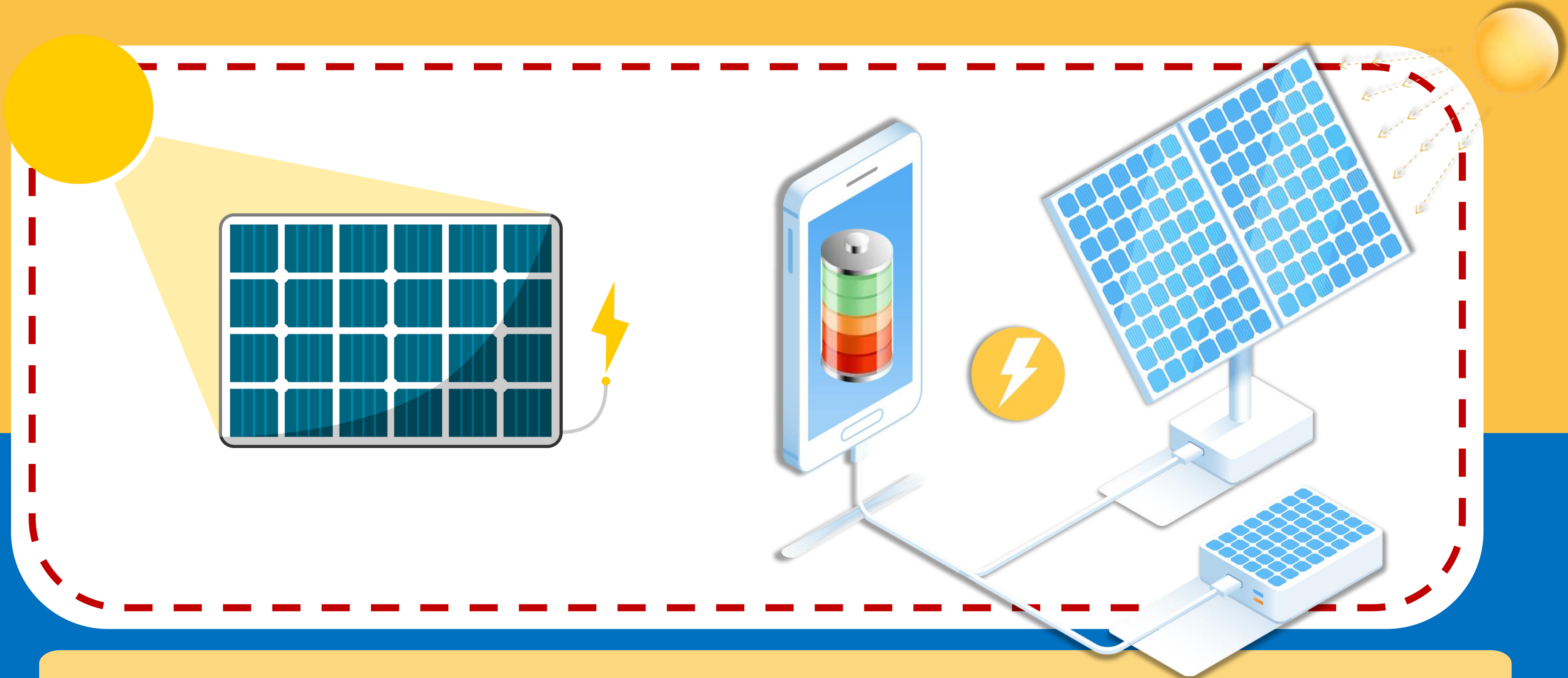
จุดประสงค์การเรียนรู้

1. อ่านเกี่ยวกับสิ่งประดิษฐ์แล้วตอบคำถามได้
2. เขียนบรรยายว่าสิ่งของต่าง ๆ ถูกประดิษฐ์ขึ้นในจินตนาการอย่างไรได้

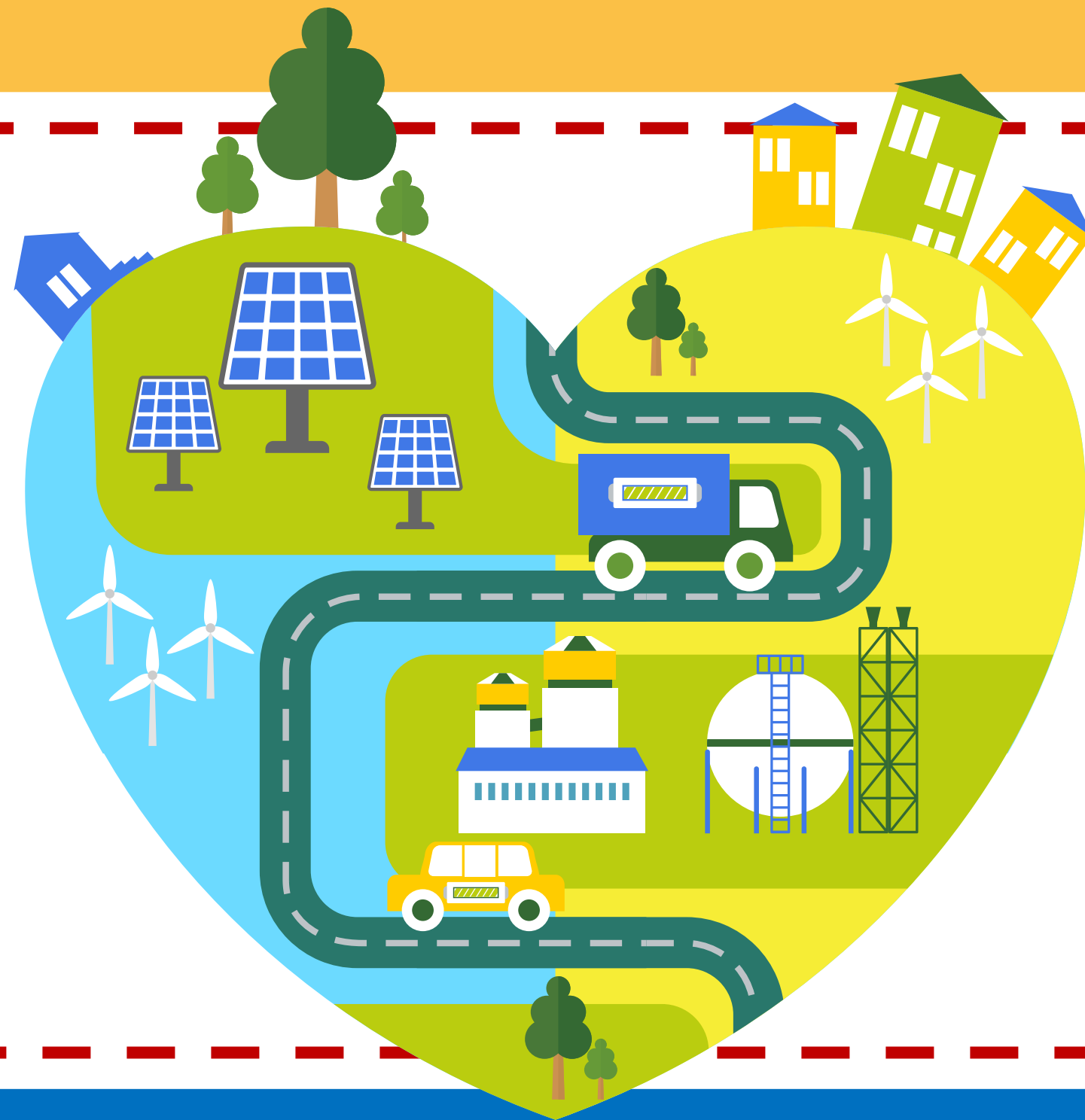


Vocabulary

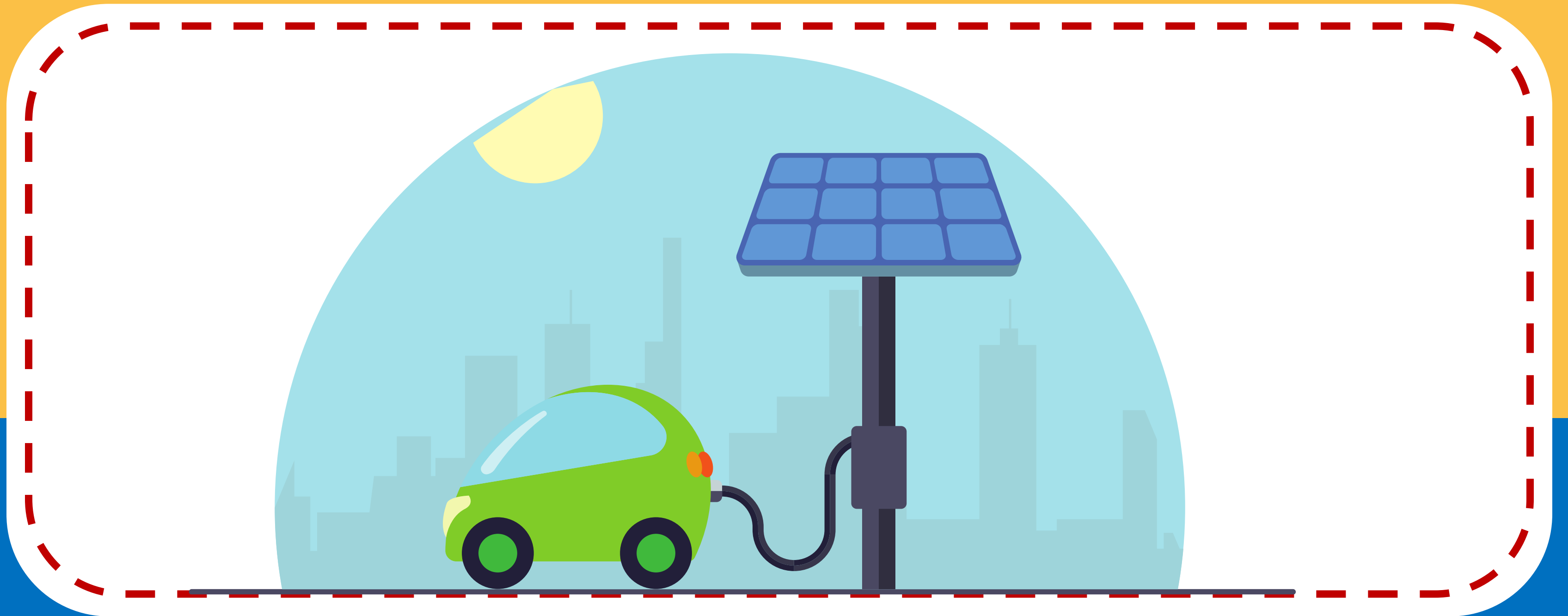




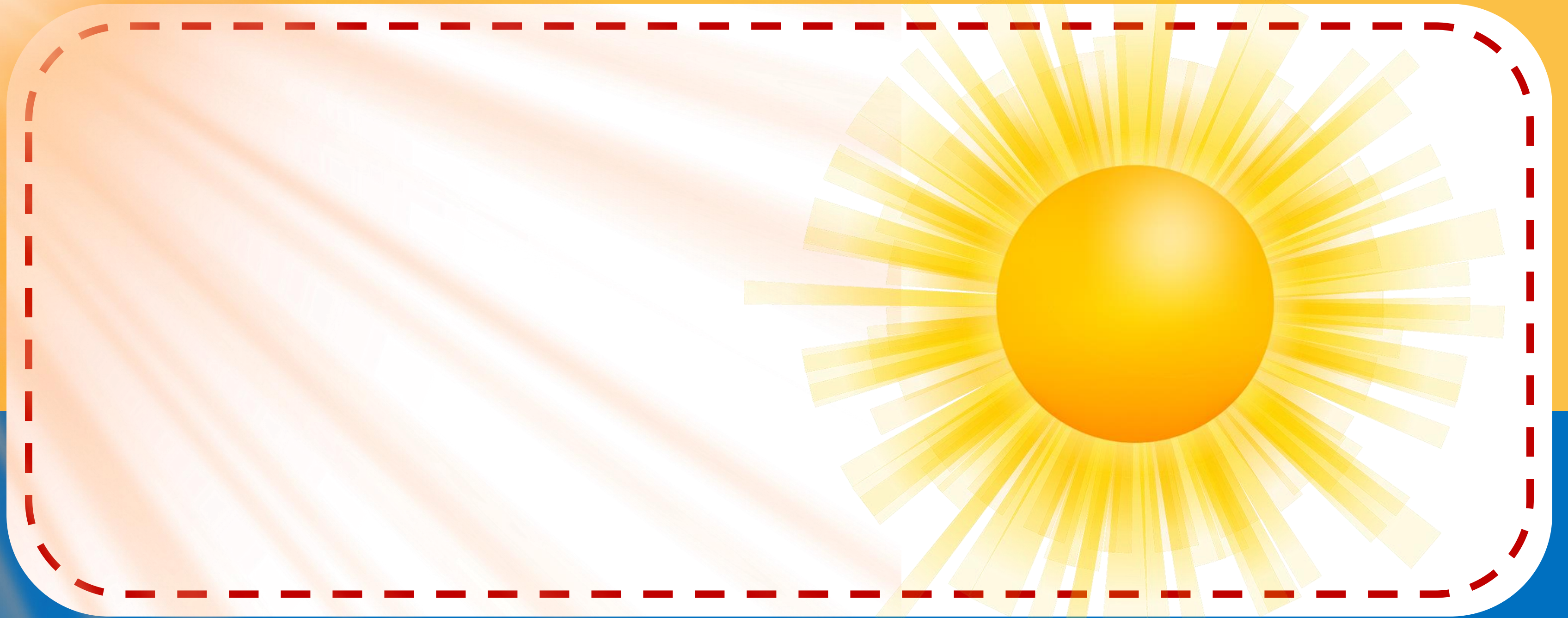
photovoltaic cells (n.)



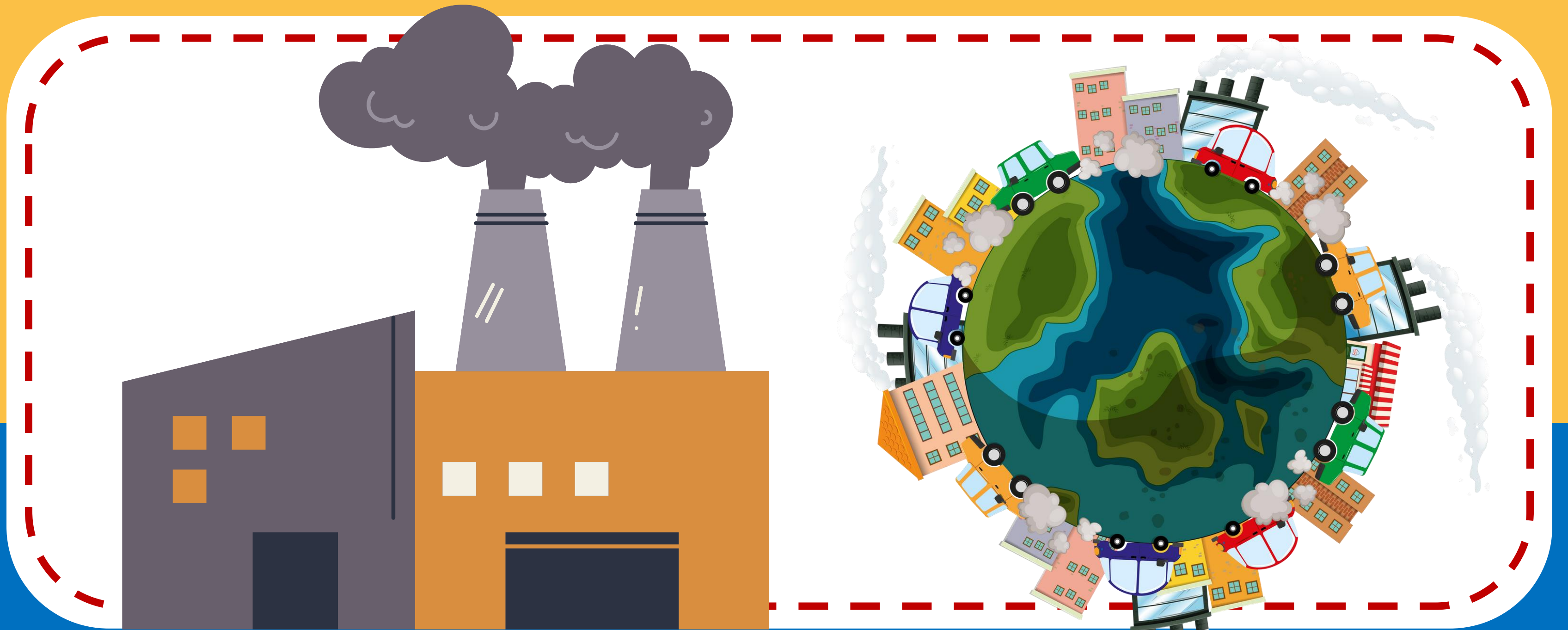
renewable (adj.)



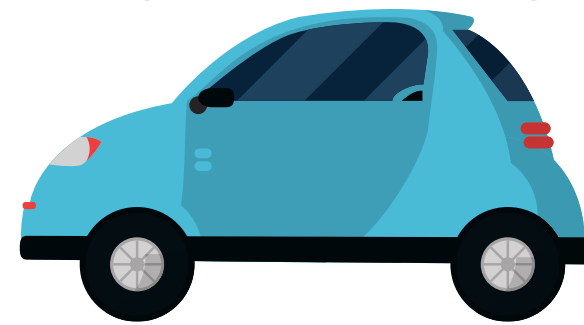
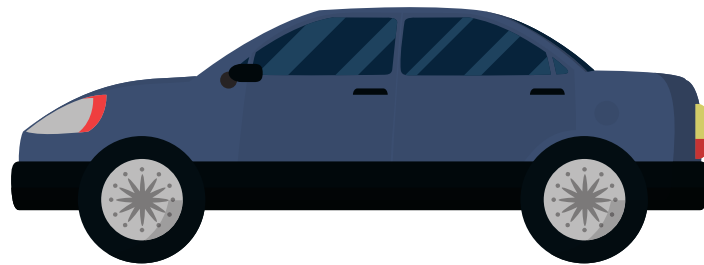
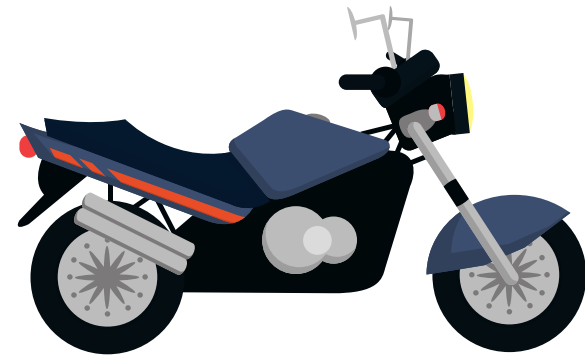
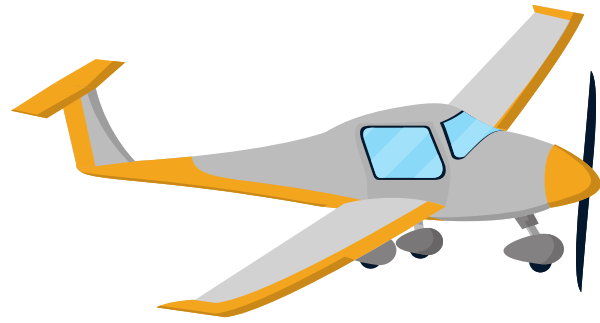
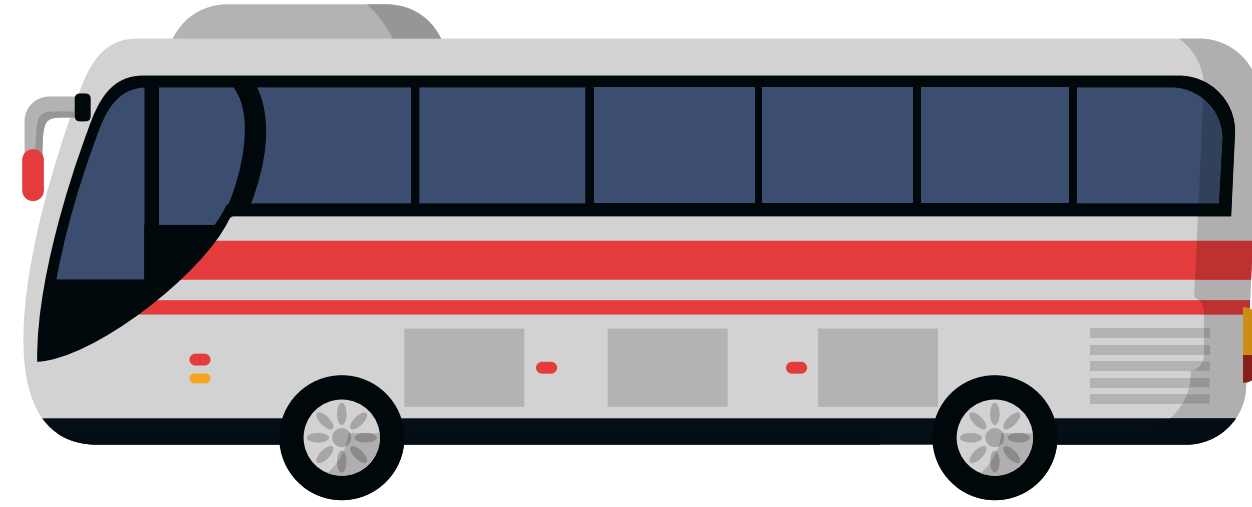
solar-powered (n.)



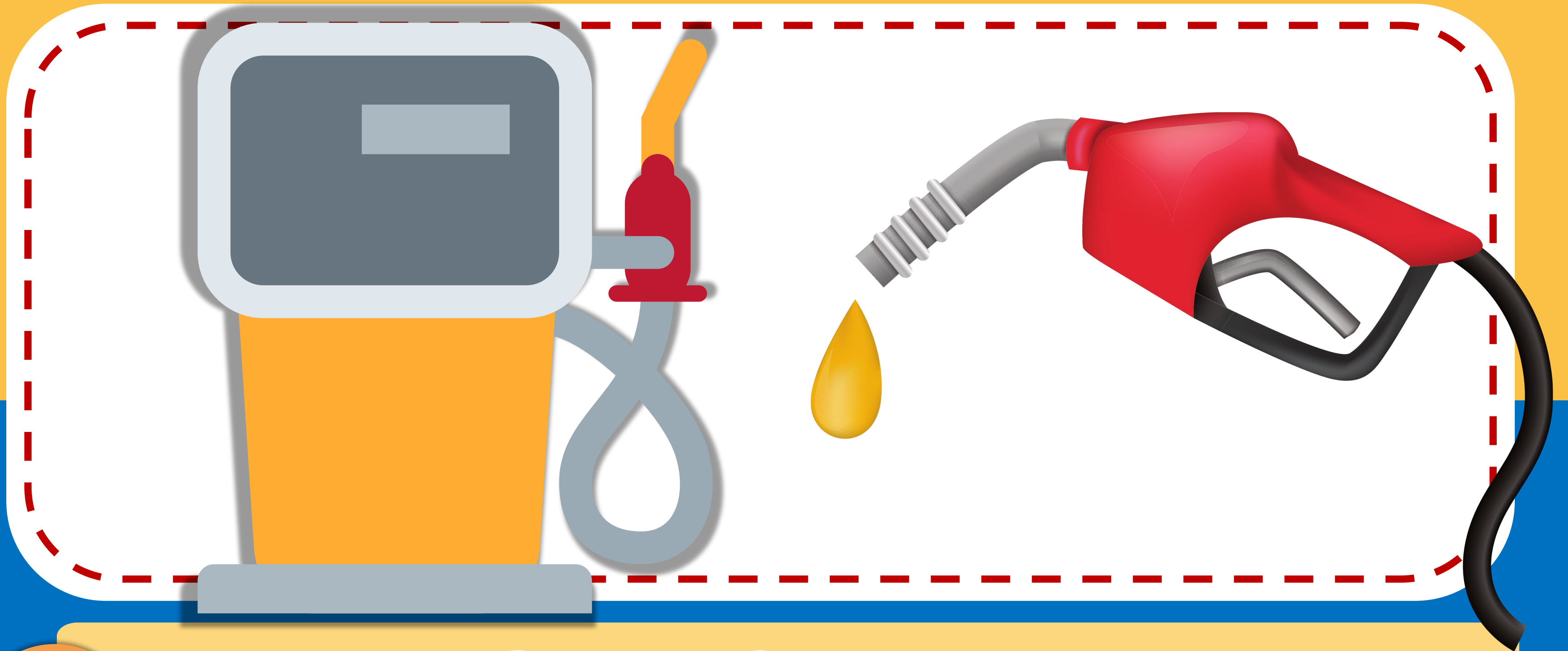
sunlight (n.)



pollution (n.)



vehicle (n.)



fuel (n.)





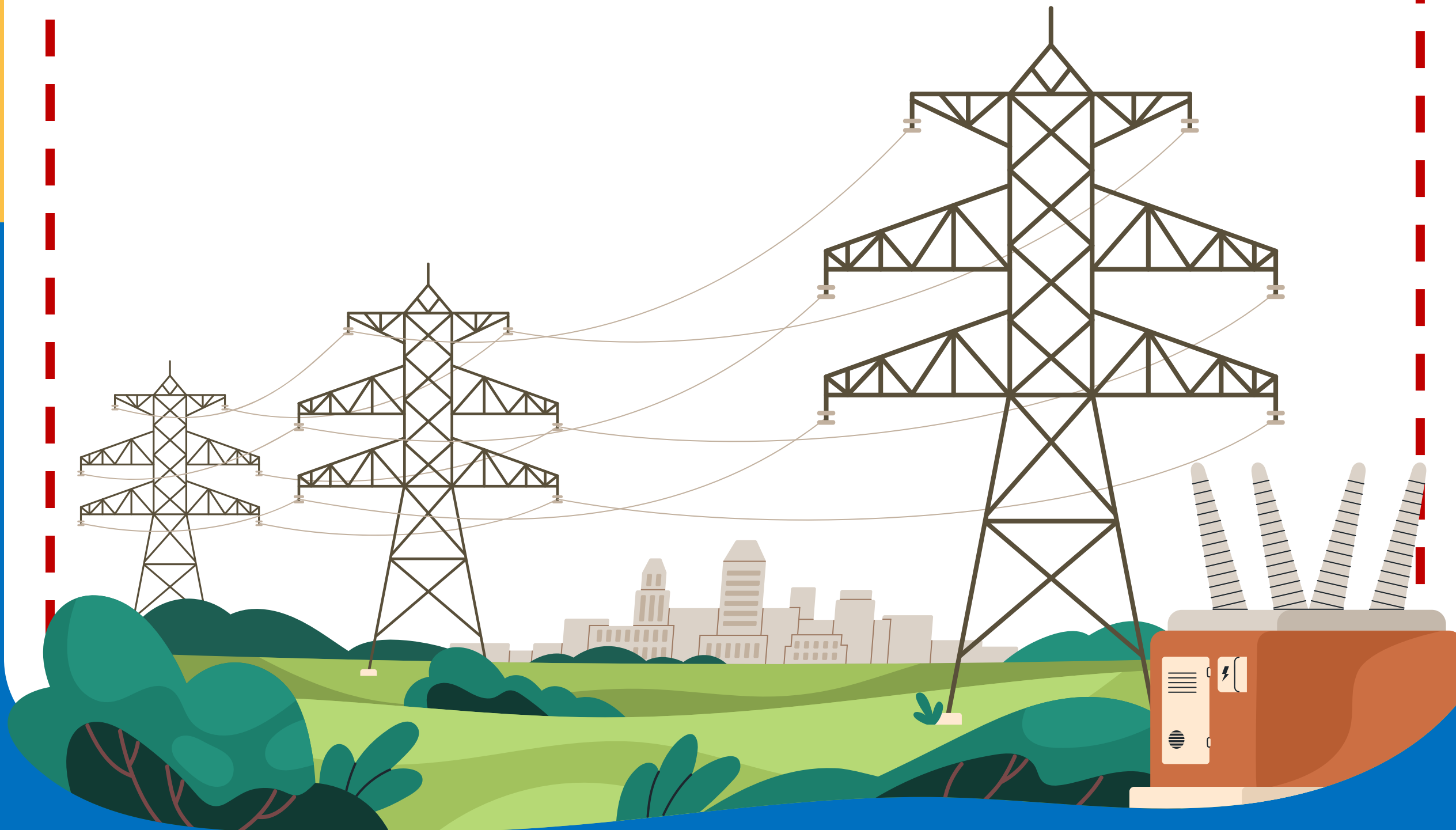
industry (n.)

automotive (n.)



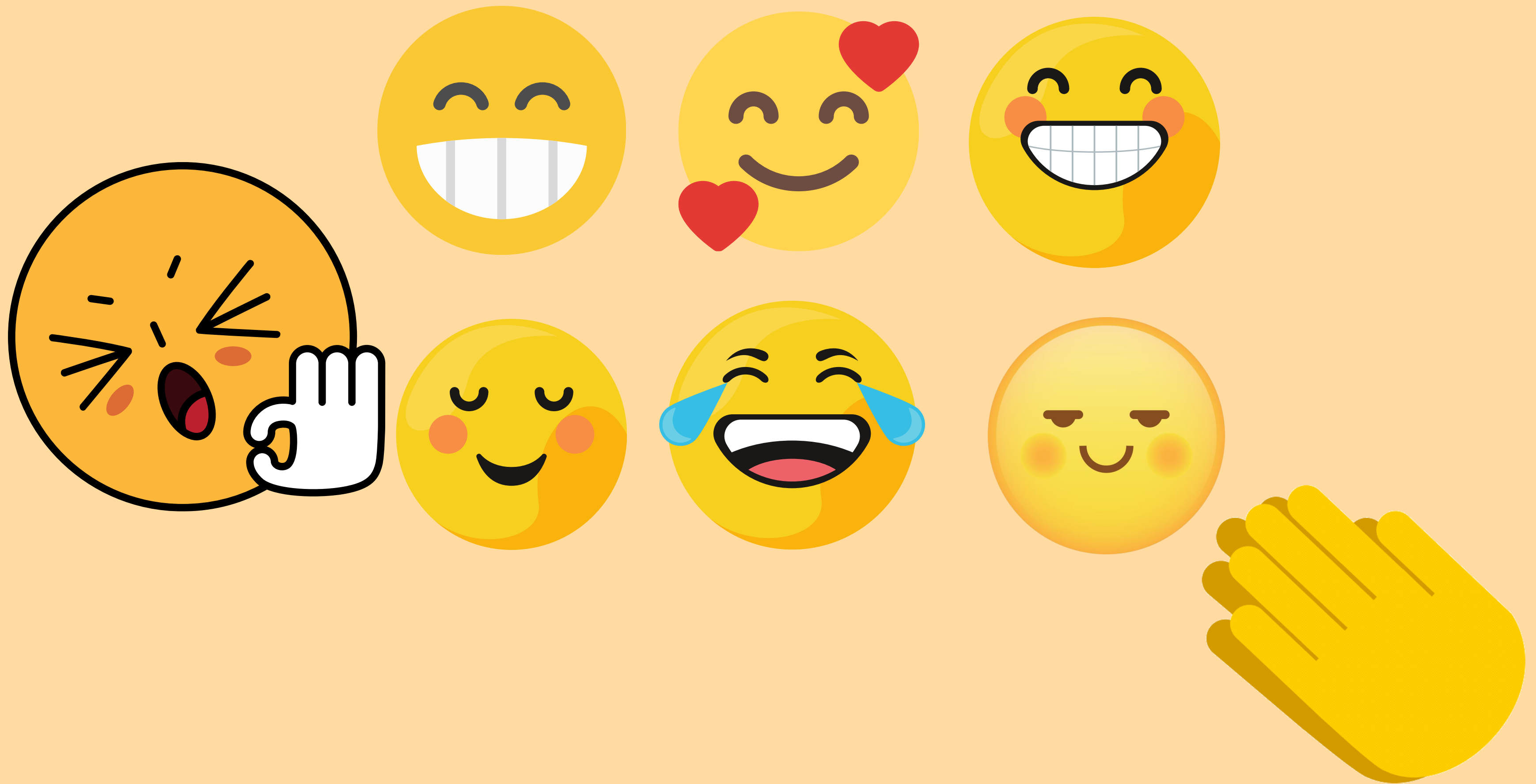


electrical power (n.)



Check Your Memory





woarpoełrsde -

solar-powered



$$20 * 20 =$$

200 points

etuomtivooa

automotive



100 points

loipnltuo

pollution



$$200 / 5 =$$

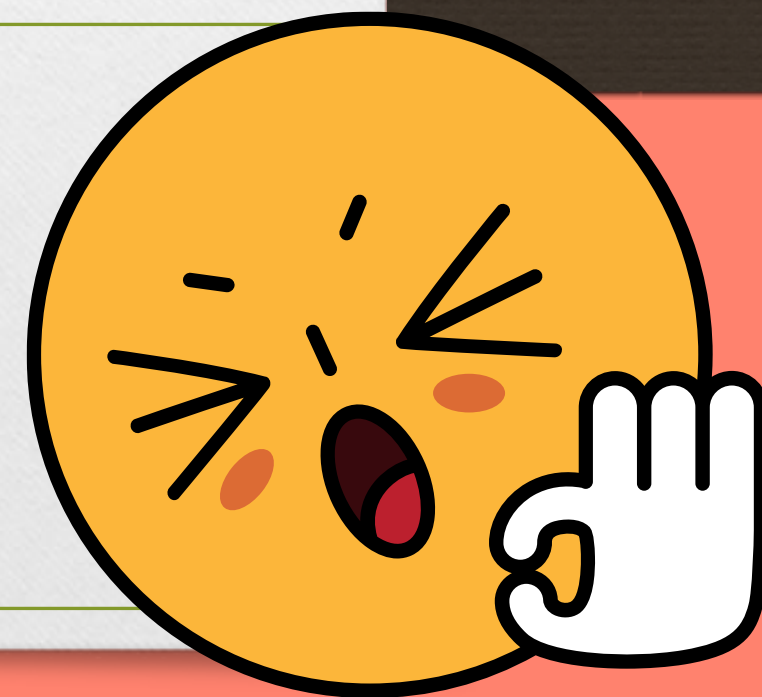
40 points

eeuwptterolalrcic

electrical power

$$20 * 5 = 100$$

points



wlef

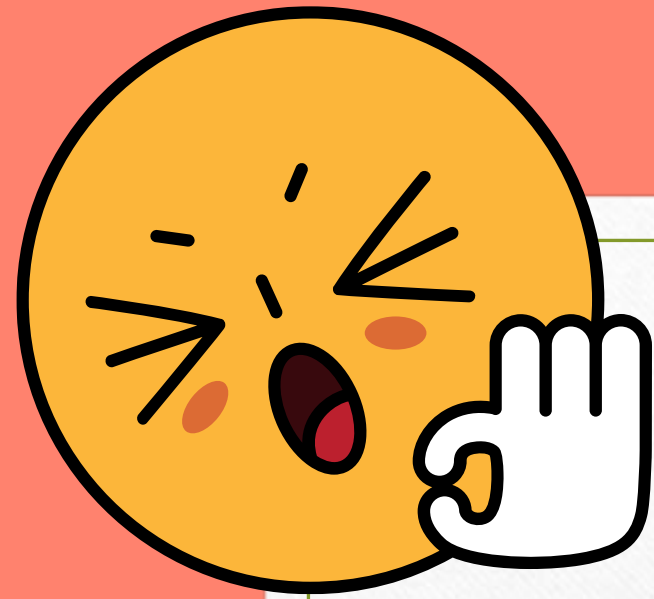
fuel



**200 points are
given your
friend away**

eeelrwabn

renewable



300

points



sgiuulhnt

sunlight

10 points



industry

industry

50 points



eihvlec

vehicle

200 points



WIN!



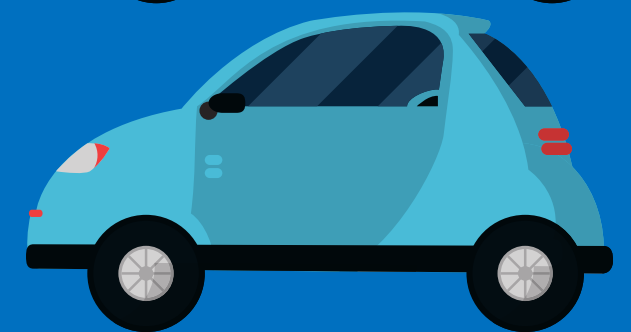
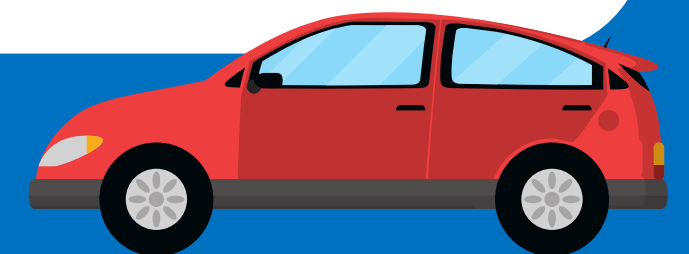


All You Need to Know About Solar-Powered Cars

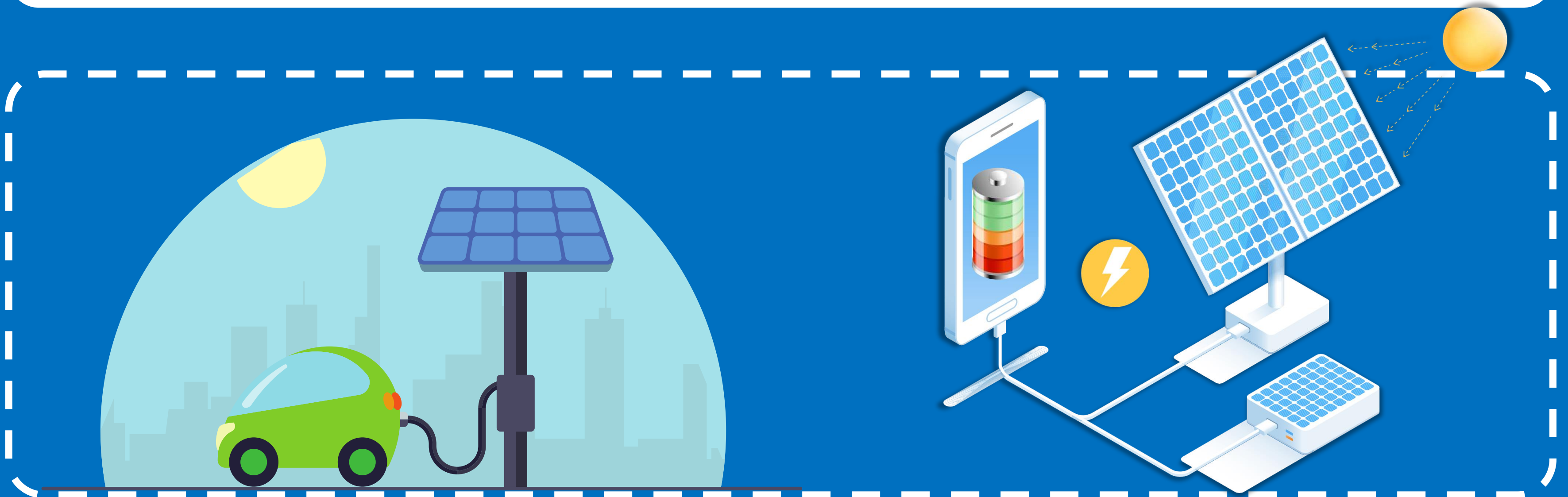


A solar vehicle or solar electric vehicle is an electric vehicle powered completely or significantly by direct solar energy. Usually, photovoltaic (PV) cells contained in solar panels convert the sun's energy directly into electric energy. The term "solar vehicle" usually implies that solar energy is used to power all or part of a vehicle's propulsion. Solar power may be also used to provide power for communications or controls or other auxiliary functions.

Solar vehicles are not sold as practical day-to-day transportation devices at present, but are primarily demonstration vehicles and engineering exercises, often sponsored by government agencies. However, indirectly solar-charged vehicles are widespread and solar boats are available commercially.

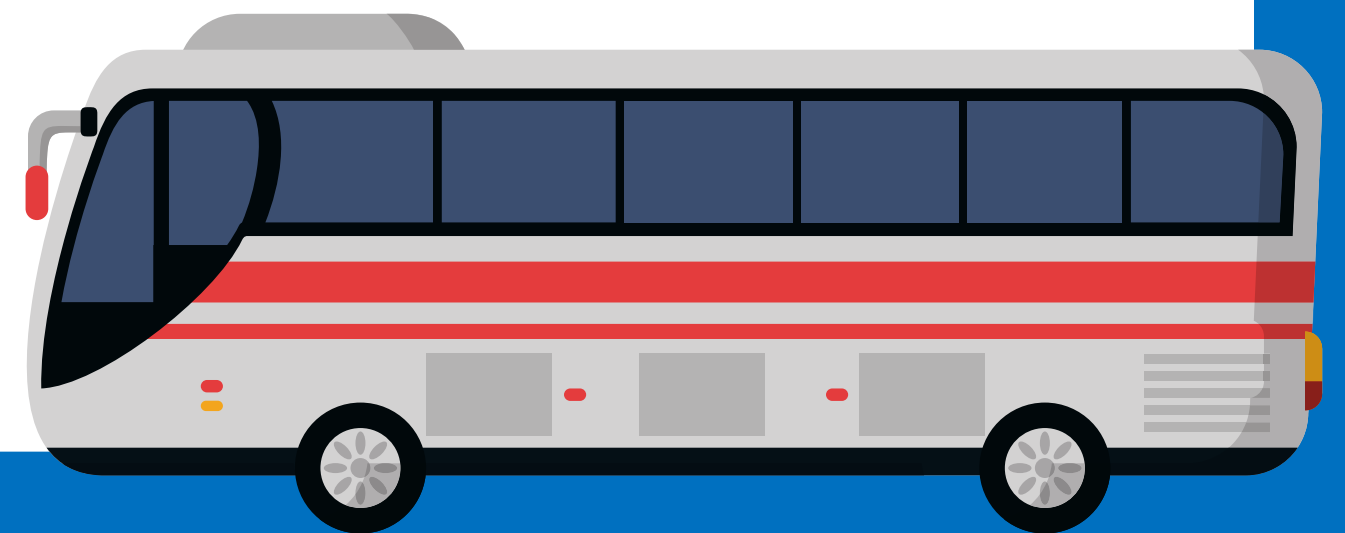


Solar cars are electric cars that use photovoltaic (PV) cells to convert sunlight into electrical power to charge the car's battery and to power the car's electric motors.



There are some of the advantages of using solar cars:

- Saves money on fuel**
- Is sustainable and environment-friendly**
- No additional costs except battery replacement**
- Does not cause noise pollution or air pollution**





Worksheet 1

Design your invention. Draw the picture and describe your invention. Make sure that your explanation can answer the following questions.

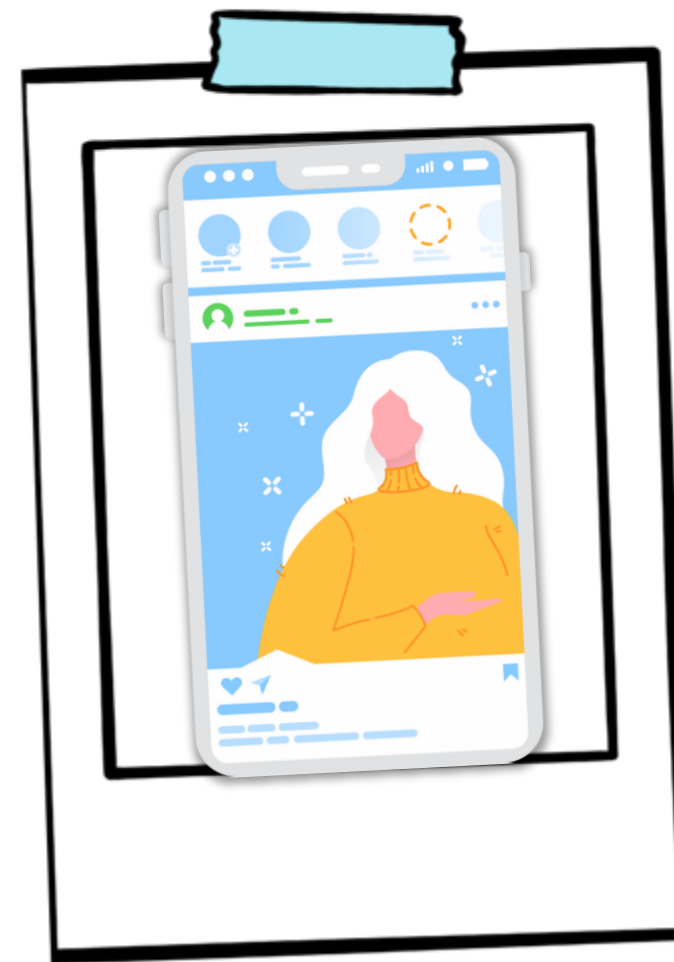


Worksheet 1

Directions:

Design your invention. Draw the picture and describe your invention. Make sure that your explanation can answer the following questions.

MY OWN INVENTION



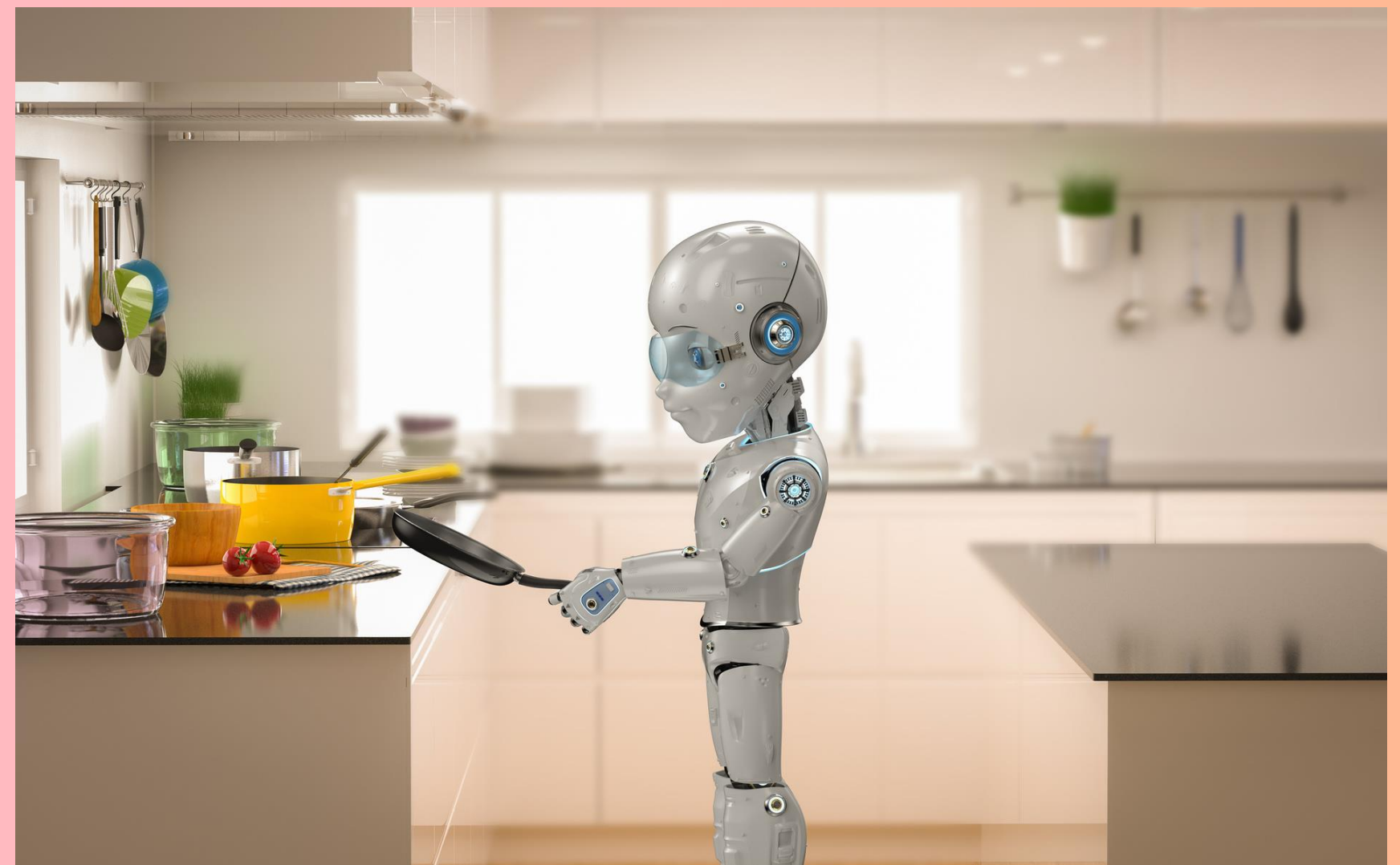
What is your ideal invention?

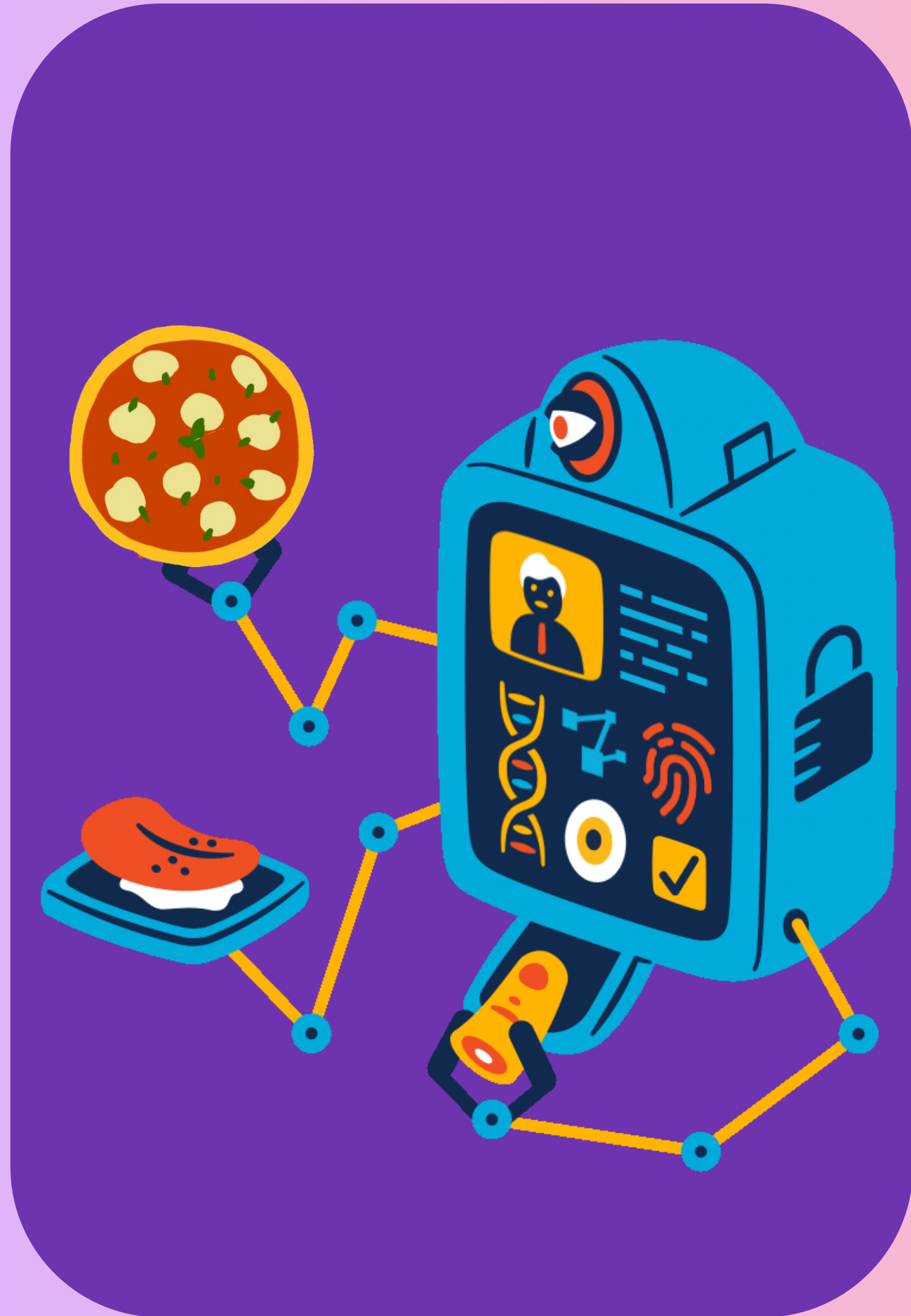
What is it made of?

What is it used for?



Cooking robot





My ideal
invention is
cooking robot

It is
a cookery.

It is made of
metal or plastic

It is used
for cooking.

Presentation





DESIGN



**My ideal
invention is**
_____.



It is
_____.



It is made of
_____.



**It is used
for** _____.

บทเรียนครั้งต่อไป

Launch Your Invention

สิ่งที่ต้องเตรียม

ใบงานที่ 1 เรื่อง Invention Project



(สามารถดาวน์โหลดได้ที่ www.dltv.ac.th)



“Every 24 hours, enough sunlight touches the Earth to provide energy for the entire planet for 24 years.”

– Martha Maeda –

