

A. Circle the correct words. Then check the objects with gears.

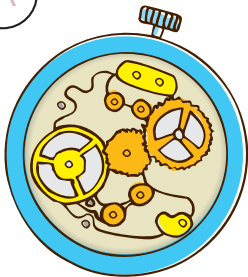
1.

Gears are **toothed / sharp**
machine parts that interlock to
keep / change the speed,
direction, or force of motion.

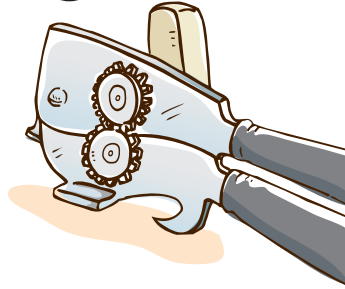


2.

A



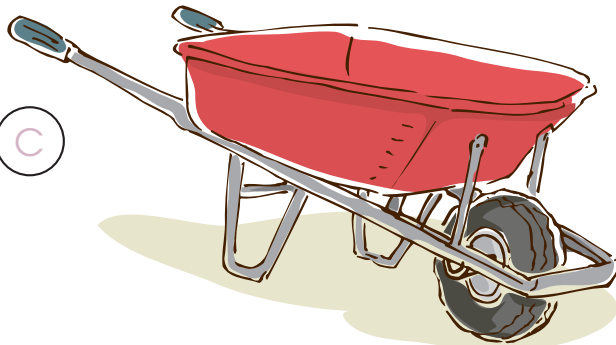
B



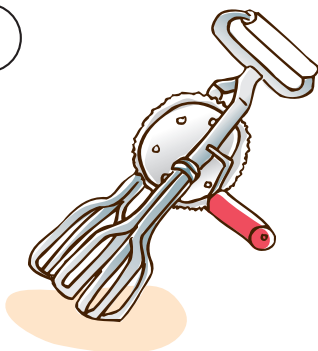
D



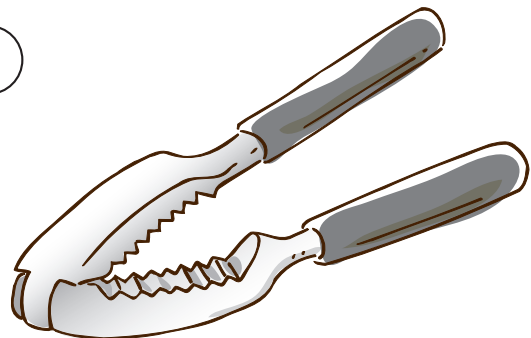
C



E

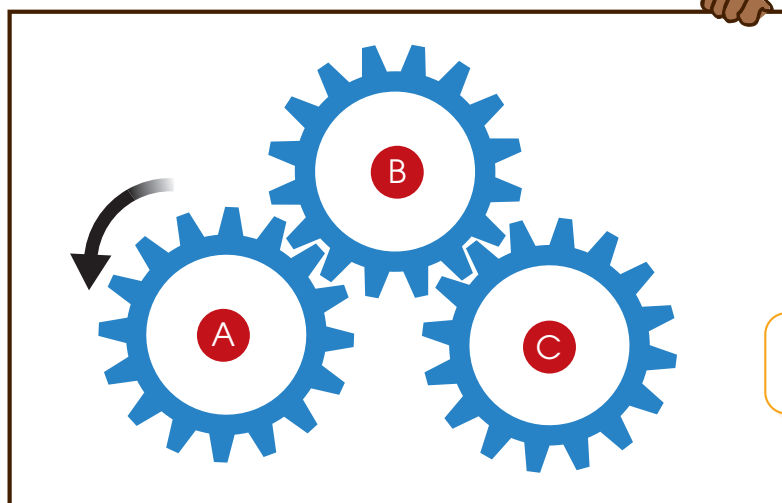


F



B. Look at the gear systems. Circle the correct words to complete the sentences. Then label the gears.

1.

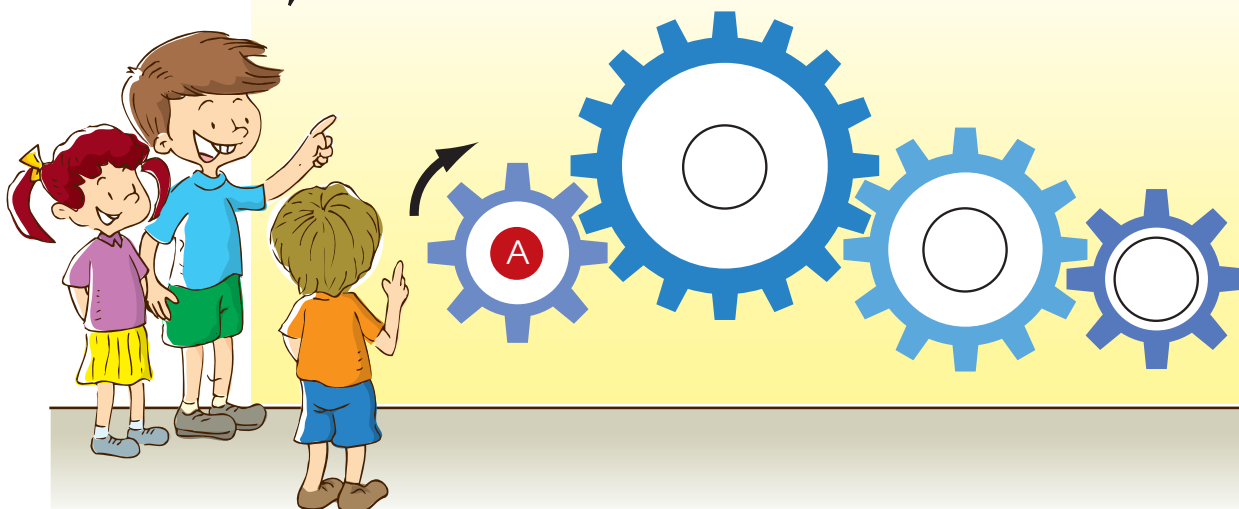


A turns counter-clockwise.

- B** turns **clockwise / counter-clockwise** .
- C** turns **clockwise / counter-clockwise** .
- B** turns **at the same speed as / slower than / faster than** **A**.
- When **A** turns once, **B** turns **once / twice** .

2.

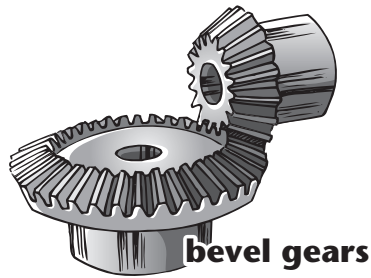
D turns counter-clockwise and turns faster than B. B turns slower than C.



C. Fill in the blanks to complete the sentences about the gears.

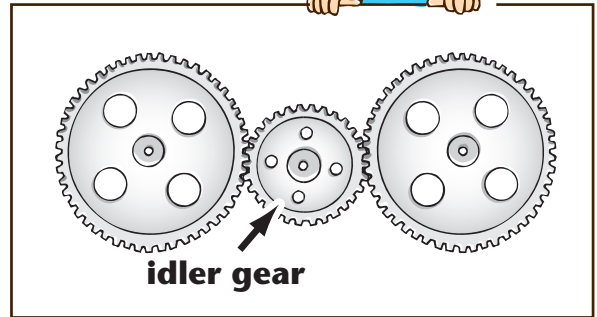
one two shafts direction
 same worm one two

1.



- change the _____ of movement
- operate on _____ planes

2.



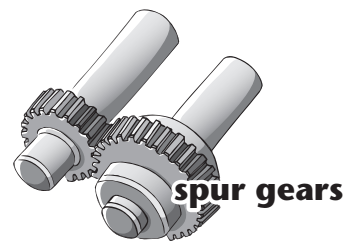
- used to keep two connected gears rotating in the _____ direction
- operates on _____ plane

3.



- combination of a circular gear and a _____ gear
- operate on _____ planes

4.

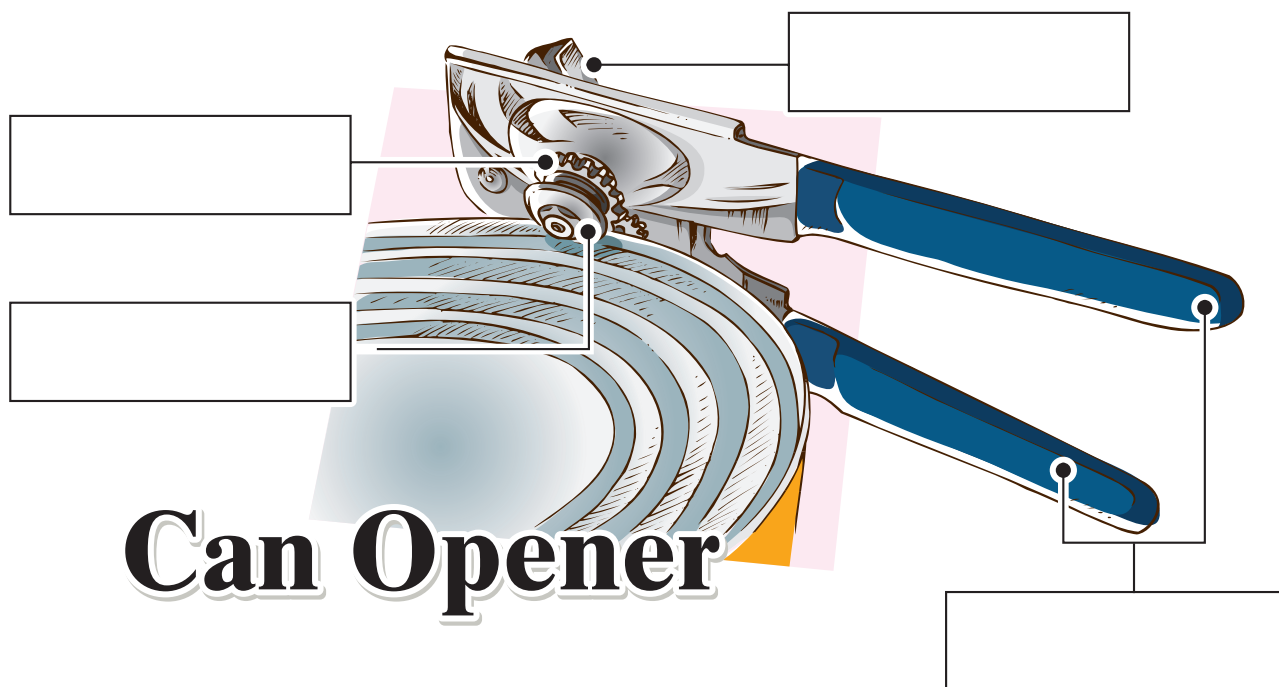


- straight teeth, mounted on parallel _____
- operate on _____ plane



- D. Label the simple machines used in a can opener with the given words. Then fill in the blanks to describe how it works.

gears wedge levers wheel and axle



How It Works:

- 1 Position the can opener so that its _____ grips the rim of the can.
- 2 Use the handles as _____ and apply pressure to break through the surface of the lid.
- 3 Turn the _____ to make the _____ turn. The _____ cuts the can lid as the can turns.