

**BIG QUESTION 8****What makes things move?**

Think about the Big Question. Write.

**What do you know?**


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**What do you want to know?**


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**UNIT 15 Get Ready****Words****A Circle the odd one out.**

1	push	pull	rescue
2	movement	feelings	speed
3	easy	hard	sad
4	push	throw	wait
5	light	high	heavy

**B Look at the pictures and write the words.**

ground movement heavy push

1



2



push

3



4



**C** Circle the correct words.

- 1 When I **push** / **pull** something, I am behind it.
- 2 The book is on the shelf. There **is** / **isn't** movement.
- 3 Speed is how fast things **move** / **pull**.
- 4 It's easy to pull a **light** / **heavy** thing.
- 5 I throw a ball. My friend doesn't catch it. It falls to the **sunlight** / **ground**.
- 6 I can push and **pull** / **wait** a chair.

**D** Complete the story.

easy push pushes movement heavy ground light pulls

Johnny and Joey put a lot of snow on their wagon. Joey 1 pulls the wagon and Johnny 2 it, but it doesn't move. There isn't any 3. The wagon is too 4.

Joey and Johnny have an idea. They 5 a lot of snow off the wagon. The snow falls to the 6. The wagon is 7 now, so it's 8 to pull. The boys are happy.



**A** Read the text quickly. Answer the question.

At the end of class, what does Jimmy know a lot about?

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# Move This!

Jimmy and his class are learning about forces. Ms. Jenkins has two boxes. One is small and has clothes in it; the other is big and has books in it. Ms. Jenkins calls Jimmy to the front.

“Push the small box, Jimmy,” says Ms. Jenkins. Jimmy pushes the box.

“It’s easy to push,” he says.

“Now push the big box, Jimmy,” says Ms. Jenkins.

Jimmy pushes the box.

“It’s hard to push,” he says.

“Yes, you’re right, Jimmy. The small box is lighter than the big box. We need a small force to move light things, and a big force to move heavy things.”



“Now, Jimmy, push the heavy box with a small force. Good. Now push it with a big force. Which force makes the box move faster, the small force or the big force?”

“The big force. The big force makes the box go further, too.”

### Think

The box is easy to push. The box is light. Which is the cause? Which is the effect?

### Think

The box goes fast. Jimmy pushes with a big force. Which is the cause? Which is the effect?

## Comprehension

**A** What part of the text do you like? Check (✓).

Jimmy  Ms. Jenkins  Pushing the boxes

**B** Complete the chart.

Cause	Effect
1 A light thing ...	... needs _____ to move it.
2 A _____ thing ...	... needs a big force to move it.
3 A _____ force ...	... makes the box go fast and far.

**C** Circle *True* or *False*.

1 Jimmy is in English class. **True** **False**  
2 Ms. Jenkins is teaching the class about forces. **True** **False**  
3 Ms. Jenkins uses many boxes. **True** **False**  
4 The small box is easy to push. **True** **False**  
5 The big box is easy to push. **True** **False**

**D** Read and answer the questions.

Jimmy pushes a light and a heavy box.

1 Which box needs a bigger force to move it? \_\_\_\_\_  
2 Which box is easier to push? \_\_\_\_\_

Jimmy pushes the heavy box with a small force, then a big force.

3 Which force makes the box go further? \_\_\_\_\_  
4 Which force doesn't make the box go fast? \_\_\_\_\_

# Grammar in Use

## A Study the grammar.

### Learn Comparatives

fast	<b>faster than</b>
tall	<b>taller than</b>
nice	<b>nicer than</b>

heavy	<b>heavier than</b>
easy	<b>easier than</b>
big	<b>bigger</b>



## B Write the comparatives.

1 fast \_\_\_\_\_  
2 slow \_\_\_\_\_  
3 small \_\_\_\_\_

4 big \_\_\_\_\_  
5 light \_\_\_\_\_  
6 heavy \_\_\_\_\_

## C Circle the correct words.

1 An elephant is **smaller** / **bigger** than a rabbit.  
2 Trains aren't **slower** / **faster** than bicycles.  
3 A desk isn't **heavier** / **lighter** than a book.  
4 A ruler is usually **shorter** / **longer** than a pencil.

## D Write sentences.

1 A cat / not small / a mouse  
A cat isn't smaller than a mouse.

2 Paper / light / wood

\_\_\_\_\_

3 A bush / short / a tree

\_\_\_\_\_

4 A liquid / not light / a gas

\_\_\_\_\_

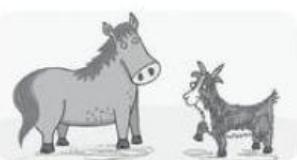
**E** Look at the pictures and write sentences.

1



the white car / big / the black car  
The white car isn't bigger than  
the black car.

2



a horse / heavy / a goat

3



the boys / short / the girls

4



a honeybee / small / a hummingbird

5



the ruler / long / the pencil case

6



an airplane / fast / a train

**F** Answer the questions.

1 Are you taller than your friend?

2 Is your pen longer than your pencil?

3 What is bigger than your backpack?

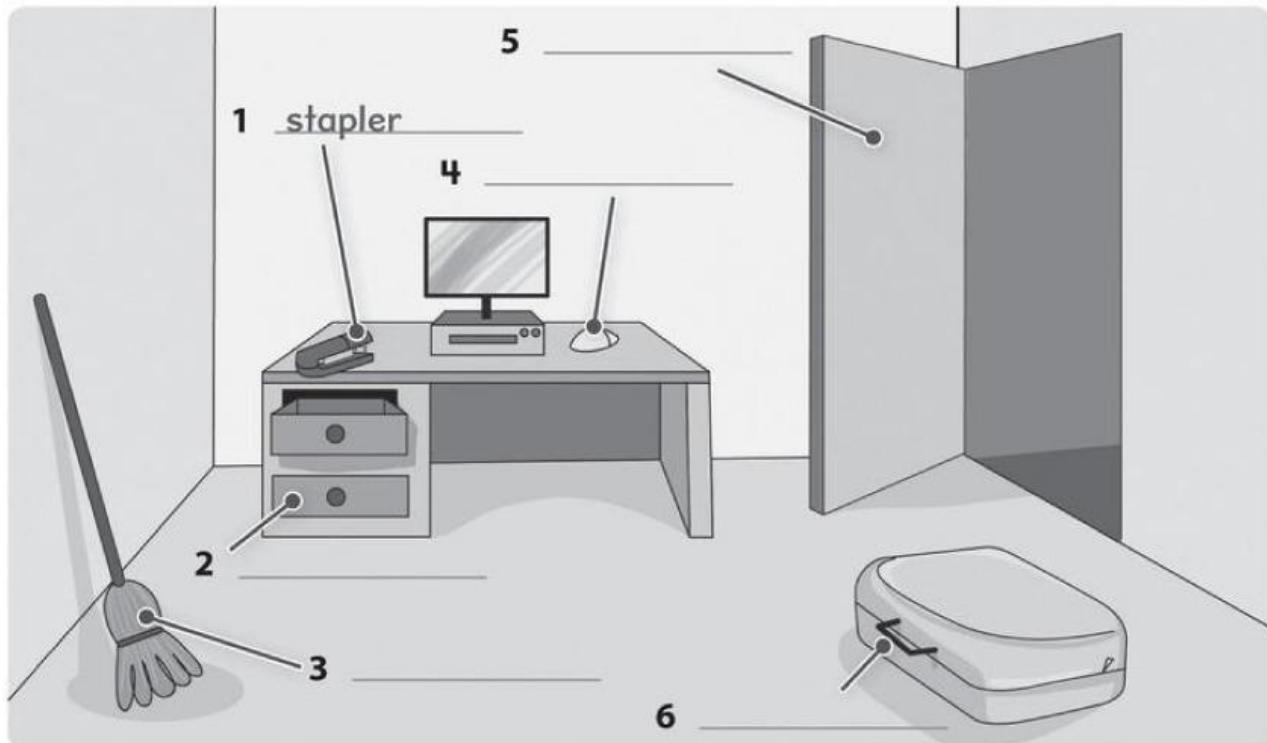
4 What is lighter than your book?

## Communicate

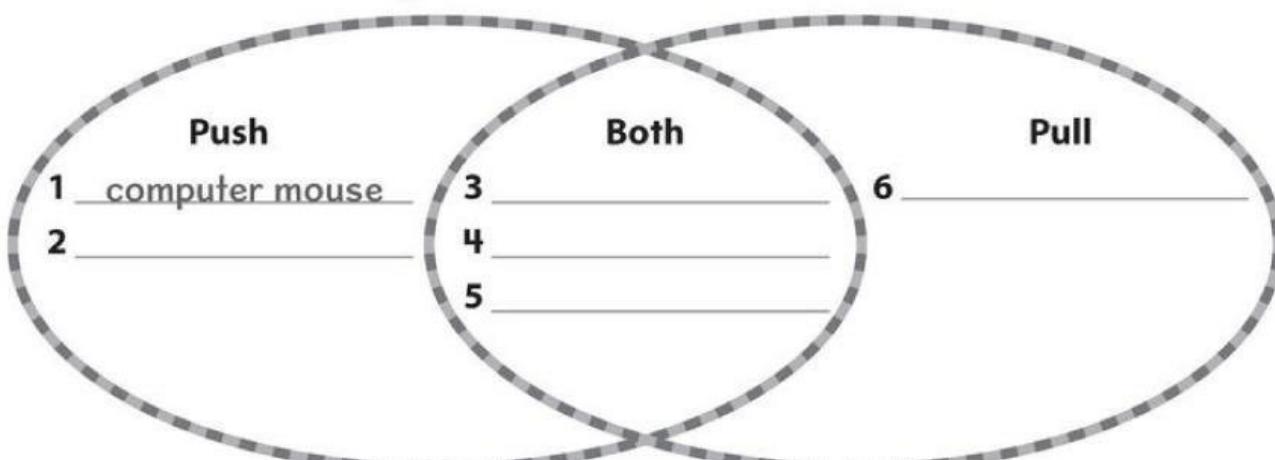
### Words

**A** Look at the picture and write the words.

computer mouse   broom   stapler   door   desk drawer   suitcase



**B** Write the words from **A**.



## Word Study

### A Match the opposites.

1 fast	•	• a big
2 dirty	•	• b cool
3 small	•	• c plain
4 polite	•	• d slow
5 warm	•	• e rude
6 fancy	•	• f sad
7 loud	•	• g clean
8 happy	•	• h soft

## Writing

### A Read what Ahmed wrote about something he pushes and something he pulls.

I push my little sister on the swing at the park.  
She likes to swing high. I pull the oven door open when I bake cookies with my mother.



### B Answer the questions about something you push and something you pull.

- 1 What do you push? \_\_\_\_\_
- 2 Why? \_\_\_\_\_
- 3 What do you pull? \_\_\_\_\_
- 4 Why? \_\_\_\_\_

### C Now write about those things.

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