

Science

Push And Pull



For Junior Primary

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Title: **Push And Pull** For Junior Primary
Published by **Ready-Ed Publications** © 2019
Taken from: Junior Scientists Book 2
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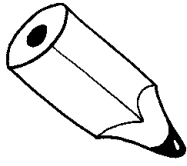
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The Pull Of Gravity



Gravity pulls objects down towards the Earth.

Materials:

- **tennis ball**
- **ruler**

Process:

1. In pairs, one student holds the tennis ball and ruler and the other student crouches down to floor level.
2. The student with the tennis ball and ruler should drop them at the same time.
3. The crouching student should note whether the two objects hit the floor at the same time or at different times.



Findings:

1. Do they hit the ground at the same time?

2. Circle which rule of gravity you think is true for this test.

- A)** Gravity pulls each object in the same way.
- B)** Gravity pulls each object differently.
- C)** Gravity does not affect the objects.

Push Of The Wind

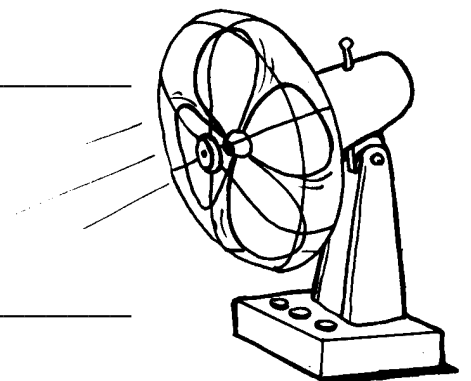
- Record the results of your experiment.

The strength of a push affects the distance that objects move.

Draw and label the object to be tested	DISTANCE MOVED (cm)	
	Light wind (fan setting 1)	Strong wind (fan setting 2)

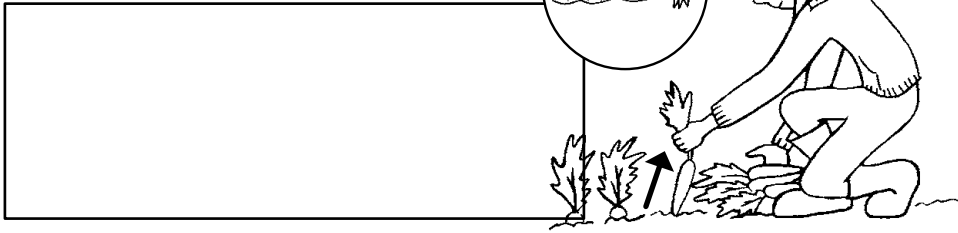
When the push of the wind was **light** the objects moved:

When the push of the wind was **strong** the objects moved:

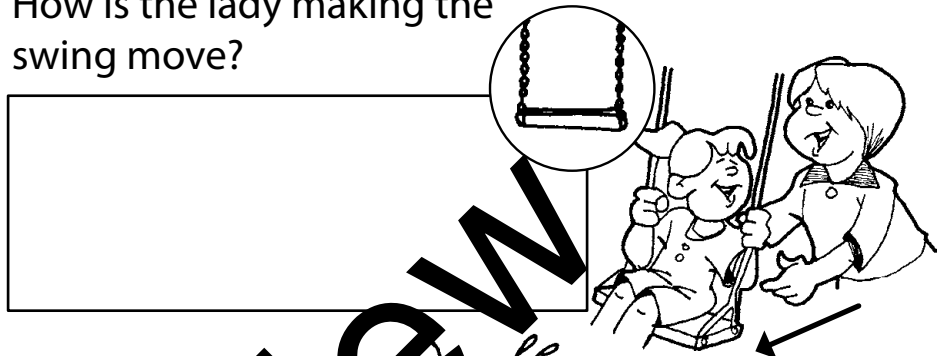


Making Objects Move 1

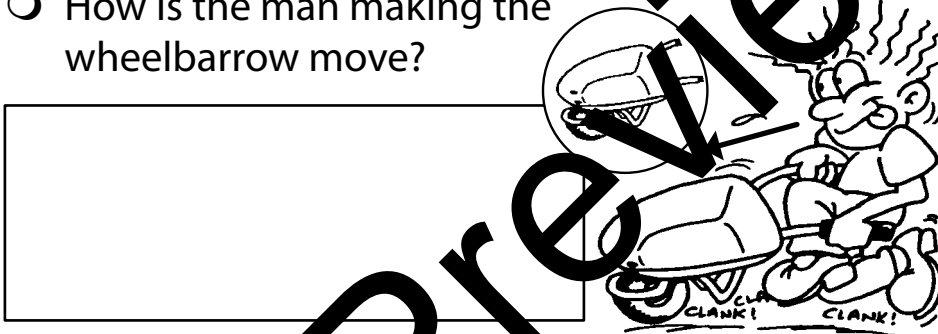
- How is the girl making the carrot move?



- How is the lady making the swing move?



- How is the man making the wheelbarrow move?



- Pushing or pulling objects can make them move.
Draw pictures of pushing and pulling.

Pushing a ball

Pulling a rope

- Add some arrows to show the pushing and pulling movements.



Making Objects Move 2

- Record how different strengths of pulls affect how the objects move.

Object	Light Pull	Strong Pull
Feather	moved slowly	moved quickly

Results

When pulled lightly objects move ...

When pulled strongly objects move ...

- Record how pulling an object can change its shape.



after being pulled



after being pulled



Answers

Page 3

1. Students should observe that the objects hit the ground at the same time.
2. Students should circle A.

Page 4

When the push of the wind was light the objects moved a short distance.

When the push of the wind was strong the objects moved a greater distance.

Page 5

The girl is pulling the carrot towards her.

The lady is pushing the swing away from her.

The man is pushing the wheelbarrow away from him.

Page 6

When objects are pulled lightly they move slowly.

When objects are pulled strongly they move quickly.

Preview