

**GROUP NAME:**

### ACTIVITY 1

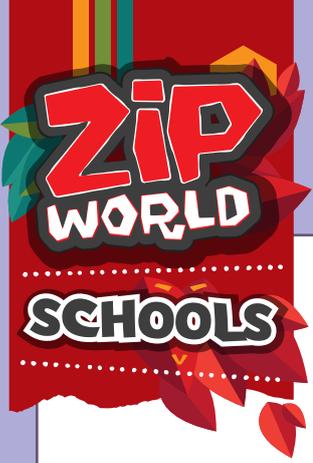
List 10 pushes and pulls around the classroom

Pushes	Pulls

### ACTIVITY 2

We think forces can:

1. ....
2. ....
3. ....
4. ....
5. ....
6. ....



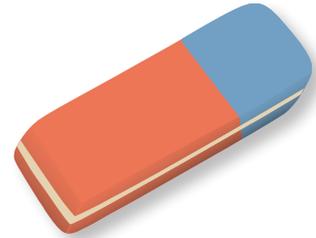
### ACTIVITY 3

The ..... was the easiest to push across the table.

The ..... had the most friction.

Rough/Smooth surfaces slow things down a lot.

Rough/Smooth surfaces don't slow things down as much.



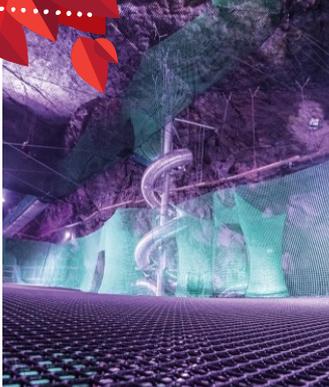
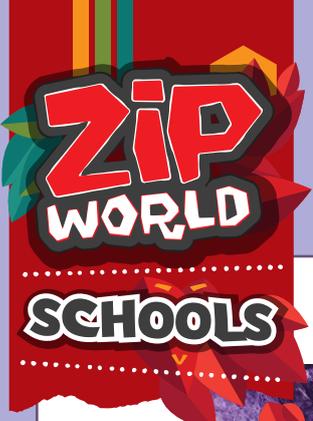
Extension: Here are some examples of when friction is helpful to us:

1. ....
2. ....
3. ....
4. ....

### ACTIVITY 4

Ways we think we can beat gravity!

1. ....  
.....
2. ....  
.....
3. ....  
.....



### ACTIVITY 5

If we wore suits made of sandpaper (!), we would travel faster/slower because there would be more:

.....

Here are three ways we might travel faster down the slide:

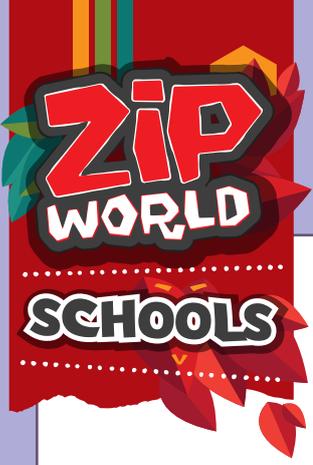
1. ....
2. ....
3. ....

### ACTIVITY 6

We think:

- Gravity is pulling the apple downwards, and the force of ..... is pushing upwards in the opposite direction.
- Gravity is pulling the parachutist downwards, and the force of ..... is acting against this.
- Gravity is acting on the pig and pulling it downwards, while an ..... force from the car is acting against this.  
When the upward force is not enough,  
..... !





ACTIVITY 7

Elastic objects/materials	Non-elastic objects/materials

**EXTRA SPACE FOR EXTENSION WORK**