



## Rosary School / Marj El Hamam Science Assessment

Name: \_\_\_\_\_

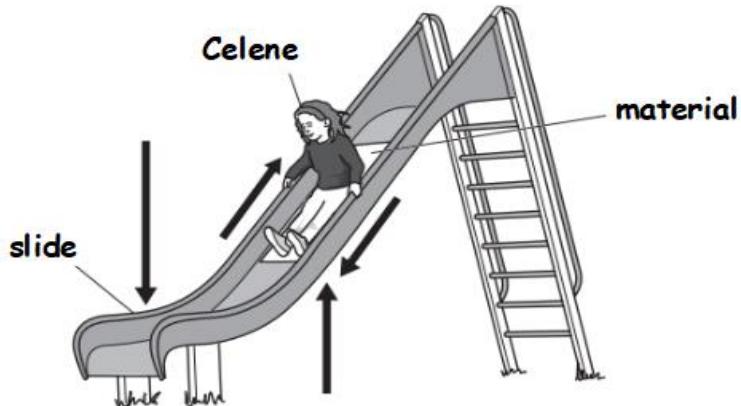
Grade 2 (      )

Date: Saturday, March 30<sup>th</sup>, 2024

[      /10 ]

1. Selene and Rita investigate friction. [      /3 ]

Selene sits on a sheet of material. She moves down the slide on the material.



a) The arrows on the diagram show the different forces acting on Celene as she moves down the slide.

1) Circle the arrow on the diagram that shows friction.

2) Cross out the arrow on the diagram that shows gravity.

b) Rita records the time it takes Selene to move down the slide.

Rita says: "The material has more friction."

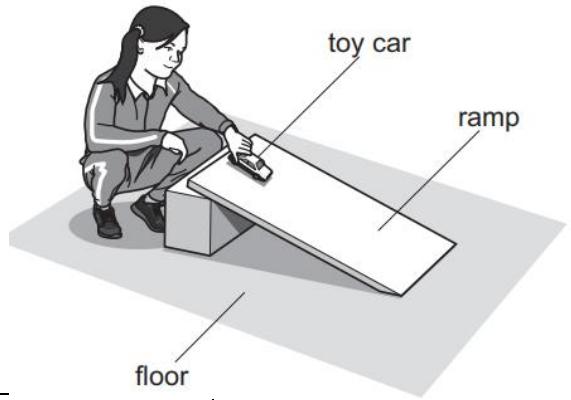
This is because the material is \_\_\_\_\_ . (smooth/ rough)

2. Lilly puts a toy car on a ramp.

[        / 2 ]

Fill in the blank spaces using the words from the table.

There are more words than you may need.



rough	less	friction
more	gravity	smooth

- 1) The car travels slowly on the wooden ramp as there is \_\_\_\_\_ friction.
- 2) It takes longer time for the car to go down as the wooden ramp is \_\_\_\_\_.
- 3) The force that acts on the car in the opposite direction of the movement is \_\_\_\_\_.
- 4) The force that pulls the car towards the centre of the Earth is \_\_\_\_\_.

[        / 15 ]

3. Naya rides a sleigh down a hill covered in snow.



Write (true) or (false).

- a) Naya makes the runner of her sleigh smoother so there is less friction between the runner and the snow. ( \_\_\_\_\_ )
- b) The sleigh moves harder over the smooth surface. ( \_\_\_\_\_ )

c) Friction is helpful while sliding on the sleigh. ( \_\_\_\_\_ )

4. Match each activity in column A with the force acting on it in column B.

[ \_\_\_\_\_ /2 ]

Column A

Column B

Writing on a paper



● Friction

A kite falling down from the sky



A pillow on the bed



● Gravity

Scratching a nail on a wall



5. Decide if friction is **helpful** or **not helpful** in the pictures below. [ \_\_\_\_\_ /15 ]



Stopping a bicycle



Pushing heavy box



A new pair of shoes

