COLEGIO BRITÁNICO INTERNACIONAL					
Group	:	7th A - B	**Academic Year**	:	2023-2024
Teacher	:	Eng. Diana Vaca			
Student's Name	:	_____			

Read the following statements, and match the different Scientifics Method Steps accordingly. Since there are 4 statements and 5 different steps, there is one step that you will not use.

There is one example for you to understand better what to do.

0.-					**Conclusion**	
a.	Ali thinks that: The ocean is made of saltwater and because of this, it freezer at lower temperatures and later than the pond, because pond is made of freshwater.					**Hypothesis**
b.	Ali fills 2 cups with one type of water and puts them in the freezer					**Experiment**
c.	Ali finds out that saltwater has lower freezing points that freshwater					**Theory**
d.	One winter day, Ali noticed that the pond tends to freeze over at high temperatures and sooner than the ocean					**Observation**

1.-	**Observation**	**Theory**	**Hypothesis**	**Experiment**	**Conclusion**	
a.	Max believes that: the special fertilizer contains magical ingredients that boost plant growth.					
b.	Max realizes that plants in his garden grow taller when he waters them with a special fertilizer.					
c.	Max with mom's help starts watering some plants with regular water and others with the special fertilizer.					
d.	Max noticed that the plants watered with the special fertilizer indeed grew taller.					

2.-	**Observation**	**Theory**	**Hypothesis**	**Experiment**	**Conclusion**	
a.	Olivia notices that the temperature of water decreases when she adds ice to it.					
b.	Olivia thinks that adding ice to water causes a decrease in temperature due to the coldness of the ice.					
c.	Olivia starts by measuring the temperature of water before and after adding ice.					
d.	Olivia says that the presence of ice leads to a reduction in water temperature.					

3.-	**Observation**	**Theory**	**Hypothesis**	**Experiment**	**Conclusion**	
a.	Ethan determines that the ball loses energy upon impact, supporting his initial hypothesis.					
b.	Ethan believes that the ball loses some energy when it hits the ground, causing it to bounce lower.					
c.	Ethan tests his hypothesis by dropping the ball multiple times and measuring the height of each bounce.					
d.	Ethan sees that a ball dropped from a certain height bounces back to a lower height.					

4.-	Observation	Theory	Hypothesis	Experiment	Conclusion	
a.	Mia one day places some plants in shaded areas and others in direct sunlight.					
b.	Mia suggests that excessive sunlight may be causing the plants to lose water and wilt.					
c.	Mia notices that plants in her backyard wilt when exposed to direct sunlight for an extended period.					
d.	Mia believes that prolonged exposure to direct sunlight leads to water loss and wilting in plants.					

5.-	Observation	Theory	Hypothesis	Experiment	Conclusion	
a.	Liam sees that mixing two different colors of paint results in a new color.					
b.	Liam discovers that the combination of different paint colors produces a new color, supporting his initial idea.					
c.	Liam is mixing various pairs of paint colors and observing the outcomes.					
d.	Liam thinks that combining different paint colors creates a unique color due to the interaction of pigments.					

6.-	Observation	Theory	Hypothesis	Experiment	Conclusion	
a.	Sophia touches a metal spoon left in hot soup that feels hot to the touch.					
b.	Sophia proposes that the metal spoon absorbs heat from the hot soup, causing it to get hot.					
c.	Sophia starts placing different materials in hot soup and assessing their temperature changes.					
d.	Metals are good conductors of heat, this explains the warming of the metal spoon.					

7.-	Observation	Theory	Hypothesis	Experiment	Conclusion	
a.	Noah knows that the rough terrain causes increased wear and tear on the tires, leading to frequent flats.`					
b.	Noah notices that his bicycle's tires go flat more often when riding on rough terrain.					
c.	Noah and his friends begging riding theirs bicycles on both smooth and rough surfaces and recording tire conditions.					
d.	Noah tells his friends that riding on rough terrain indeed results in more frequent flat tires, supporting his initial theory.					

8.-	Observation	Theory	Hypothesis	Experiment	Conclusion	
a.	Eve sees that when she mixes baking soda and vinegar, it produces bubbles.					
b.	Eve sets up different the amounts of baking soda and vinegar to observe the bubble production.					
c.	Eve believes that the reaction between baking soda and vinegar generates gas, causing the bubbling effect.					
d.	The chemical reaction between baking soda and vinegar releases carbon dioxide, leading to bubbles.					

9.-	Observation	Theory	Hypothesis	Experiment	Conclusion	
a.	Lucas says that regular watering indeed contributes to increased blooming in flowers.					
b.	Lucas announces that consistent watering provides the necessary moisture for optimal flower growth.					
c.	From today on Lucas is watering some flowers daily and others sporadically, monitoring their blooming patterns.					
d.	Lucas notices that the flowers in his garden bloom more when he waters them regularly.					

10.-	Observation	Theory	Hypothesis	Experiment	Conclusion	
a.	Isabella proposes that the way she folds the paper airplane affects its flight path due to changes in aerodynamics.					
b.	Isabella is playing and notices that the paper airplane she folds differently flies in various directions.					
c.	Isabella now is trying to fold various paper airplanes in different ways and launching them to observe their trajectories.					
d.	She says that: The shape and folds of a paper airplane influence its flight direction based on her experimental findings.					