



MISSION #4

Child's Name _____

Placulus, the Villain of Tooth City

Discover what happens when we don't defend our teeth from Placulus!

Here's what you'll need:

- 2 small "teeth"
- 2 clear containers
- 1/2 cup water
- 1/2 cup carbonated soft drink (cola)



1. Powers of Observation

Observe the "teeth" closely. (If you are using bone or another item instead of real teeth, describe it here):

- What color are they?
- How big are they (use a ruler to measure)?
- What do they feel like?
- Draw one of the teeth:

2. Powers of Prediction

What do you think will happen to each "tooth" when it is left for one week in each liquid? Why?

- The tooth left in WATER will...

Explain your answer:

- The tooth left in COLA will...
Explain your answer:

3. Powers of Experimentation

- Put one "tooth" into each container
- Pour water into one container, and cola into the other.
- Be patient! Check each day to notice any changes. Write down your observations each day.
- Leave the "teeth" in their liquids for one week. (Note: results may vary. Some experiments may need extra days.)

ONE WEEK LATER...

4. Powers of Discovery

What has Placulus' sweet storm done to our "teeth"?

Remove each tooth from its liquid, and record your observations here



5. Powers of Prevention

What happened to the teeth?

What powers can we use to defend our teeth from Placulus?

WATER	COLA
The color is:	The color is:
The tooth feels:	The tooth feels:
The size of the tooth is:	The size of the tooth is:
Here is a drawing of the tooth:	Here is a drawing of the tooth: