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# UNIT 1: SCIENTIFIC INQUIRY

## TODAY: WRITING A HYPOTHESIS

HW: None

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Time: 3 min

**Do Now: What are the steps to writing a hypothesis?  
Be specific.**

# Drake Hypothesis

**IF** Drake eats more calories **THEN** he will gain weight **BECAUSE** your body only needs a certain amount of calories to survive. Extra calories are not used and can turn into fat.

# Reviewing your text boxes- 6 min

- Take out your pinned text boxes
- 1 minute silently read over your OWN text boxes
- With your group each person shares out a summary of the info they found.
  - Be specific in which animal you are speaking about

## What are your predictions? 2min

With your group, discuss your predictions for this experiment.

- Which animal do you think will surface more: sea lions or harbor seals?
  - Why do you think this! Use evidence from the text.

# Writing a hypothesis for your experiment. - 5 min

On one piece of paper, you will write your group's hypothesis for your animal behavior field study.

Step 1: Define your IV, DV, and testable question

Step 2: **IF**....one level of your IV

Step 3: **THEN**...the effect of that IV level on the DV

Step 4: **BECAUSE**...use your background research to support your prediction

## Peer review- 10 min

- With your group, you will circulate table to table
- On your post-its, each person will leave one piece of feedback PER group
- This feedback should comment on the hypothesis and offer them a way to improve it, not just state what is wrong.