

Name(s): _____

Date: _____

Period: _____

TOOTH FORM & FUNCTION DATA SHEET

HUMAN TEETH

	HYPOTHESIS (INCISOR, MOLAR, CANINE)	OBSERVATION (INCISOR, MOLAR, CANINE)	WAS YOUR HYPOTHESIS SUPPORTED?
BREAD			
FRUIT SNACKS			
APPLE OR CELERY			

1.) Which type of teeth would you expect an herbivore to have?

2.) Which type of teeth would you expect a carnivore to have?

3.) Why do you think it is important that humans evolved to have differently shaped teeth?

	TOOTH CHARACTERISTICS	PREY	FRONT ROW TOOTH COUNT #
MYSTERY JAWS #1			TOP ROW: _____ BOTTOM ROW: _____
MYSTERY JAWS #2			TOP ROW: _____ BOTTOM ROW: _____

MYSTERY JAWS #1:

LENGTH: _____ cm

WIDTH: _____ cm

MYSTERY JAWS #2

LENGTH: _____ cm

WIDTH: _____ cm

SHARK TEETH

	TOOTH CHARACTERISTICS	Based on their teeth, what type of prey does this shark prefer?
HORN SHARK		claim: evidence: reasoning:
MAKO SHARK		claim: evidence: reasoning:

	TOOTH CHARACTERISTICS	Based on their teeth, what type of prey does this shark prefer?
TIGER SHARK		claim: evidence: reasoning:

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ASSESSMENT ?'S

1. Within your shark jaw, you may notice that the incoming teeth appear to be slightly larger than the teeth up front. Why might that be?

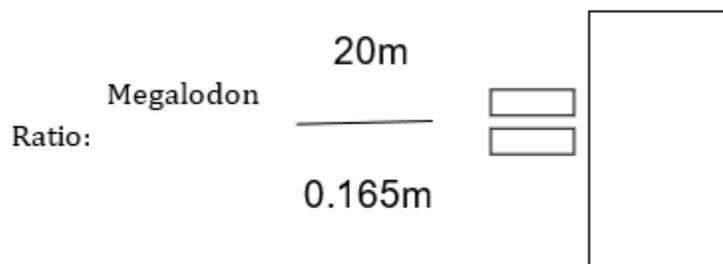
2. If a shark loses its front row teeth at a rate of 30 teeth/month, how many teeth does a shark lose over the course of a year?

- a. How many teeth does a shark lose over the course of a 60 year life?

3. What are shark jaws made out of?

4. How come it is important for shark jaws to be flexible?

5. According to a study in 2003 (*Shimada, K.*), the **upper, center** tooth from a Megalodon that measures **16.5cm** long correlates to a shark that measures **20m** (**65.5ft**) long! Assuming this ratio of tooth to body length is the same for your sharks, calculate the size of your two mystery jaws.



Mystery Jaw #1

Tooth Length: _____ m

Shark Length: _____ m

Mystery Jaw #2

Tooth length: _____ m

Shark Length: _____ m

***Double check that your upper, center tooth length is in meters!
Shark Length = Tooth Length (m) x Megalodon Ratio***

Class Shark Length Data (m)

