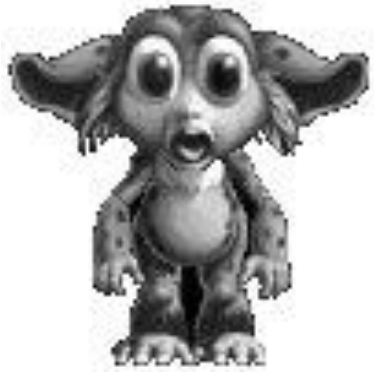
GRADE 12 BIOLOGY
UNIT D – BIODIVERSITY
LINNAEAN CLASSIFICATION TAXONOMY

Name:_____
Date: _____

Dichotomous Key on Norns

Norns belong to the **genus *Norno*** and can be divided into eight species that are generally located in specific regions of the world. Use the dichotomous key to identify the norns below. Write their complete scientific name (*Genus* + *species*) in the blank.
Remember that the Genus is capitalized and the binomial nomenclature name is in italicized font or underlined if handwritten.



1. Has pointed ears ..... **go to 3**
....Has rounded ears .....**go to 2**

2. Has no tail ..... **Kentuckyus**
....Has tail ..... **Dakotus**

3. Ears point upward ..... **go to 5**
....Ears point downward .....**go to 4**

4. Engages in waving behavior ..... **Dallus**
....Has hairy tufts on ears .....**Californius**

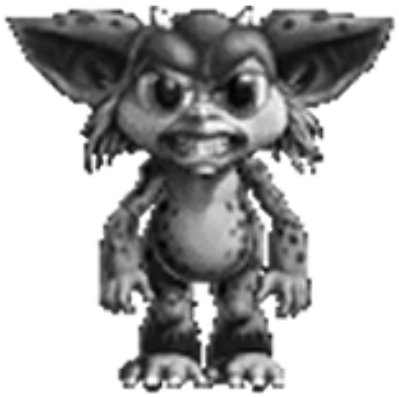
5. Engages in waving behavior ..... **WalaWala**
....Does not engage in waving behavior.....**go to 6**

6. Has hair on head ..... **Beverlus**
....Has no hair on head (may have ear tufts) .....**go to 7**

7. Has a tail ..... **Yorkio**
....Has no tail, aggressive ..... **Rajus**

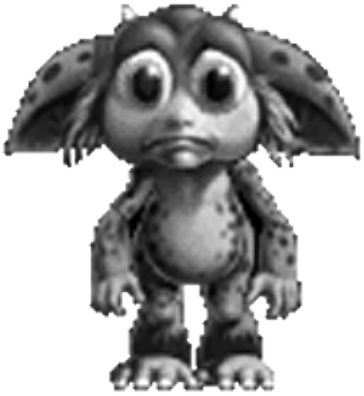
A. _____

B. _____

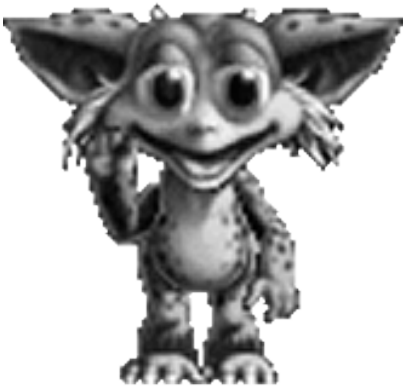


C. _____

D. _____



E. _____



F. _____

G. _____

H. _____

Dichotomous Keys Using Smiley Faces

Label the smiley creatures with their proper binomial nomenclature name

1. Teeth visible .....go to 2
Teeth not visible .....go to 4

2. Has a wide, toothy smile .....
Smilus toothyus
Is not smiling .....go to 3

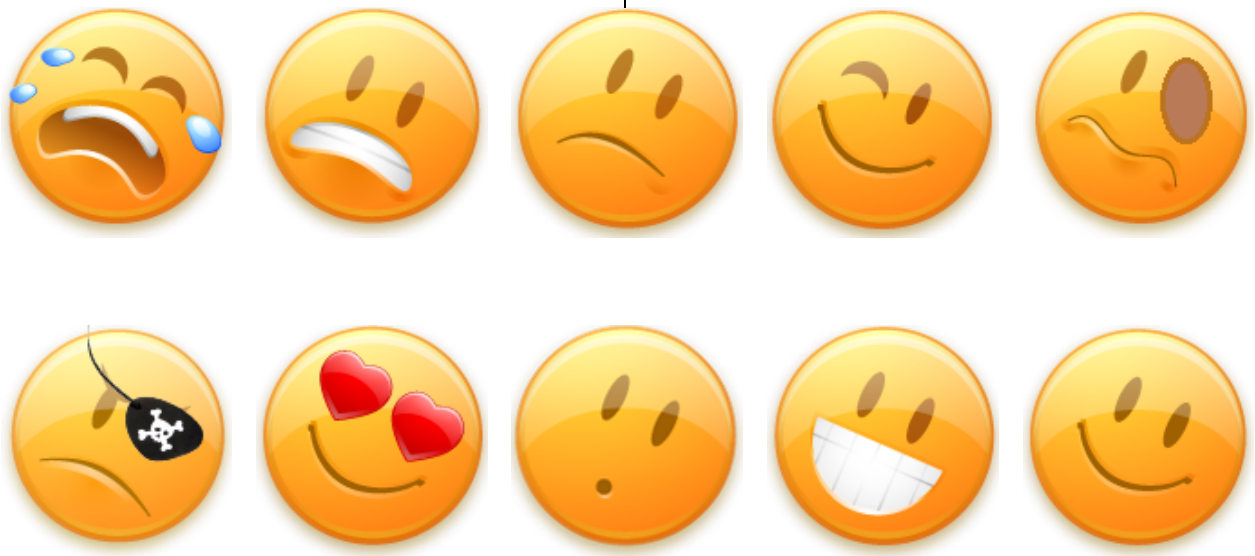
3. Visibly crying .....
Smilus dramaticus
Frowning .....*Smilus upsettus*

4. Eyes are symmetrical ... go to 5
Eyes not symmetrical ... ..go to 8
5. Eyes shaped like hearts
..... *Smilus valentinus*
Eyes are shaped as ovals ...go to 6

6. Smiling, happy face .....
Smilus traditionalis
Not happy, frowning or other .....
go to 7
7. Mouth curved down, frowning
.... *Smilus saddus*
Mouth is a small circle
.....*Smilus suprisus*

8. Has a pirate eye patch
.....*Smilus piratus*
Does not have eye patch .....
go to 9

9. One eye is much larger than the other eye ..... *Smilus mutatus*
One eye is winking
.....*Smilus winkus*



A. The names of the smilies give you another bit of information about their taxonomy. Each of these smilies belongs to the same genus.
State their genus: _____

B. Names are often given to an organism by the person who discovers it, though they follow certain conventions, often they are named after the person, or where the organism was found, or given a name that describes the creature.

Draw and label a smilie that you would name after yourself!

C. Suppose you discovered a new smiley like this one: What name would you give it?

D. You create a small dichotomous key below that names the following creatures: