

Name: _____

Dichotomous Keys Using Smiley Faces

1. Teeth visiblego to 2
....Teeth not visiblego to 4
2. Has a wide, toothy smile*Smilus toothyus*
....Is not smilinggo to 3
3. Visibly crying*Smilus dramaticus*
.... Frowning*Smilus upsettus*
4. Eyes are symmetrical go to 5
....Eyes not symmetricalgo to 8
5. Eyes shaped like hearts
....Eyes are shaped as ovalsgo to 6
6. Smiling, happy face *Smilus traditionalis*
....Not happy, frowning or othergo 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*



Extension:

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

What is 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.

Which convention was used in naming these smilies?

C. Suppose you discovered the new smiley like this one:

What name would you give it?



D. Create a small dichotomous key that names the following creatures.

