

Spread out the candies on your table.

Use the classification key to determine the scientific name of each candy.

Choose 1 candy. Start at step 1 and read the paired statements. Choose the statement that best describes that candy and go to the step that statement tells you. Continue following along using the same piece of candy until you have determined its name. Write its common name on the line. Then start with a new candy and follow the same procedure. YOU WILL ALWAYS START WITH STEP 1. Continue until you have named all 8 candies. You will only use each scientific name once.

CANDY KEY

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|---|--------------------------------------|---------------------------------------------|
| 1 | a. Candy is hard. | Go to step 2. |
| | b. Candy is not hard. | Go to step 5. |
| 2 | a. Candy is spherical. | Go to step 3. |
| | b. Candy is not spherical. | Go to step 4. |
| 3 | a. Candy is on a stick. | <i>Coccus podus</i> <u>lollipop</u> |
| | b. Candy is not on a stick. | <i>Coccus tinus</i> _____ |
| 4 | a. Candy has oblong shape. | <i>Bacillus frutus</i> <u>jolly rancher</u> |
| | b. Candy doesn't have oblong shape. | Go to step 6. |
| 5 | a. Candy is square. | <i>Esquadra frutus</i> <u>starburst</u> |
| | b. Candy is not square. | Go to step 6. |
| 6 | a. Candy is flat. | Go to step 8 |
| | b. Candy is not flat. | Go to step 7. |
| 7 | a. Candy has oblong shape. | <i>Bacillus rollus</i> <u>tootsie roll</u> |
| | b. Candy doesn't have oblong shape. | <i>Pyramis bes</i> <u>hershey's kiss</u> |
| 8 | a. Candy has 4 right angles. | <i>Rectiano verdus</i> <u>andes mint</u> |
| | b. Candy does not have right angles. | <i>Platys blancos</i> <u>lifesaver</u> |

Conclude

- The scientific names are written as 2 words. This is called binomial nomenclature
- The first word is the genus.
- The second word is the word that describes a characteristic.
- Use what you know about word origins and determine what platys means. flat
- What do you think bacillus means? oblong
- Which one candy is missing? Coccus tinus Describe what that candy could look like and name a candy that fits those descriptions. Spherical, hard, not on a stick. A jawbreaker, gumball, whopper