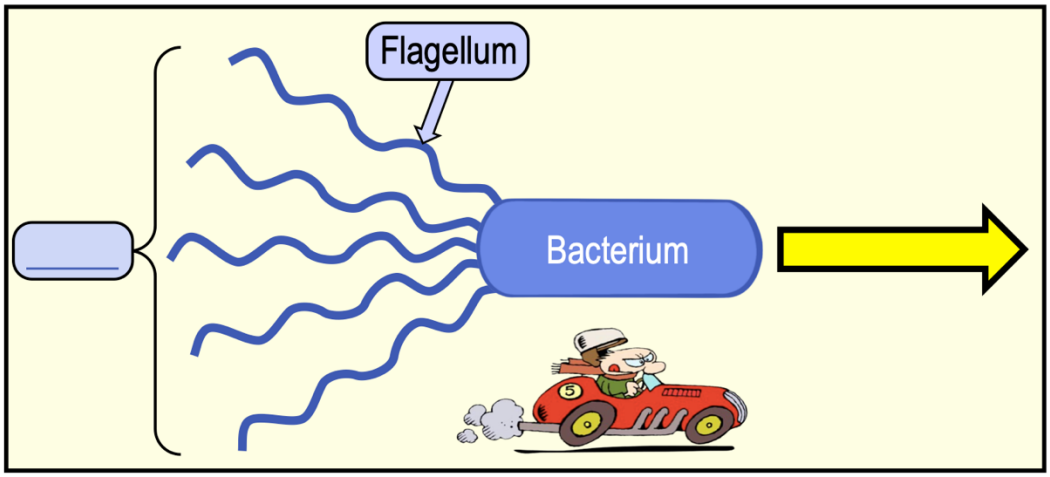
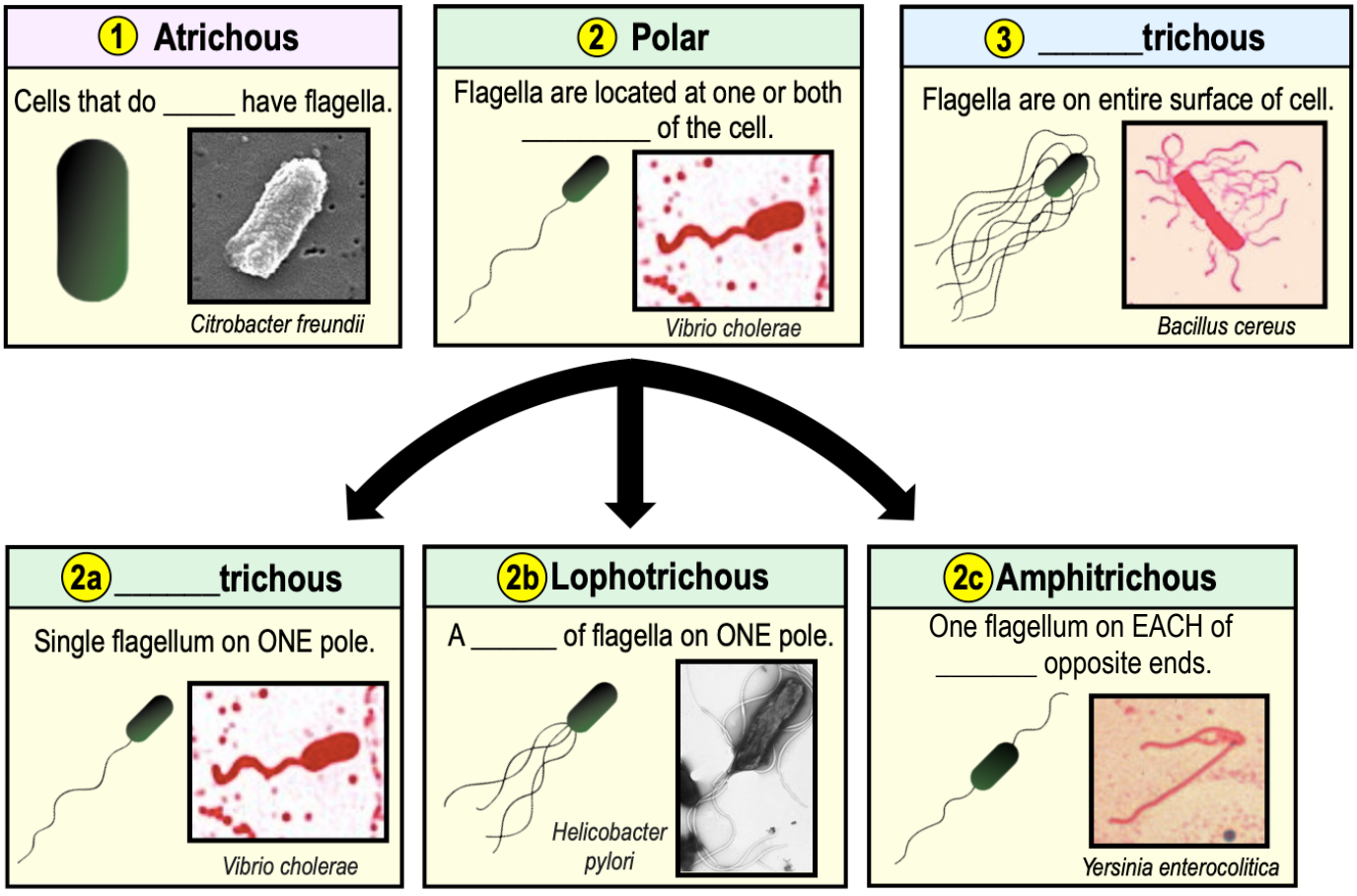
CONCEPT: INTRODUCTION TO PROKARYOTIC FLAGELLA

- _____ **(***singular* **Flagellum):** long filamentous surface proteins that drive *motility* of cells.
  - □ **Tuft:** a _____ of many flagella on the surface of a cell.



Types of Flagellar Distribution on Bacteria

- Bacterial cells are categorized into *multiple* groups based on the _____ of flagella on the cell.
  - □ Flagellar *distributions* can be used to ID specific types of bacteria.



CONCEPT: INTRODUCTION TO PROKARYOTIC FLAGELLA

PRACTICE: Which term is used to describe flagella that are found all over the surface of the bacterial cell:

a) Peritrichous.
b) Monotrichous.
c) Amphitrichous.
d) Atrichous.
e) Lophotrichous.

PRACTICE: Which of the following terms describes the presence of one flagellum at each pole of a bacterial cell?

a) Lophotrichous.
b) Peritrichous.
c) Amphitrichous.
d) Dualtrichous.
e) None of the above.

PRACTICE: What kind of flagellar distribution is present on the surface of the bacterial cell in the image below?

a) Peritrichous.
b) Lophotrichous.
c) Monotrichous.
d) Amphitrichous.
e) Atrichous.