

Sorting Bacteria

The table shows the diameters (in micrometers) of several types of known bacteria.

Number Sense

1. Three bacteria have the following diameters: 0.34 micrometers, 0.42 micrometers, and 0.47 micrometers. Name the type of bacteria you think these are. Explain your answer.

Bacteria	Diameter
A	2.0–5.0
B	0.501–1.0
C	0.5
D	0.2–0.49
E	0.15
F	0.1–0.25

2. Four unknown bacteria have the following diameters: 2.086 micrometers, 3.001 micrometers, 4.89 micrometers, and 0.89 micrometers. How would you classify these bacteria?

3. Give sample diameters for two bacteria that would belong in the group labeled Bacteria F.

4. You observe an entire colony of bacteria, each with a diameter of 0.149–0.1495 micrometers. How would you classify this colony? Explain your answer.
