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Lab wrap-up:

Was the use of ethanol on the lab bench useful in reducing the number of bacteria present?

Yes

Why were bacteria present on the hand after washing with soap and water?

Washing with soap and water does not make the hand sterile; it merely reduces the number of bacteria present.

Apply what you have learned:

Why was the liquid in the can found to be free of microbes?

Canned liquids like juice or soda are prepared to be free of microbial contamination.

What would you expect if the outside of the can was sampled instead?

The outside of the can would be covered in microbes.

Collected Lab Data

Number of Colonies Per Plate

| Plate Label | Amount of Bacteria |
|-----------------|--------------------|
| Hand | Over 100 |
| Hand Clean | 1-50 |
| Bench | 50-100 |
| Bench Clean | 1-50 |
| Keyboard | Over 100 |
| Banana | None |
| Liquid From Can | None |
| Money | Over 100 |
