

What caused the phenol red solution to turn yellow in the tube with no cap (or with the hole in the cap)?

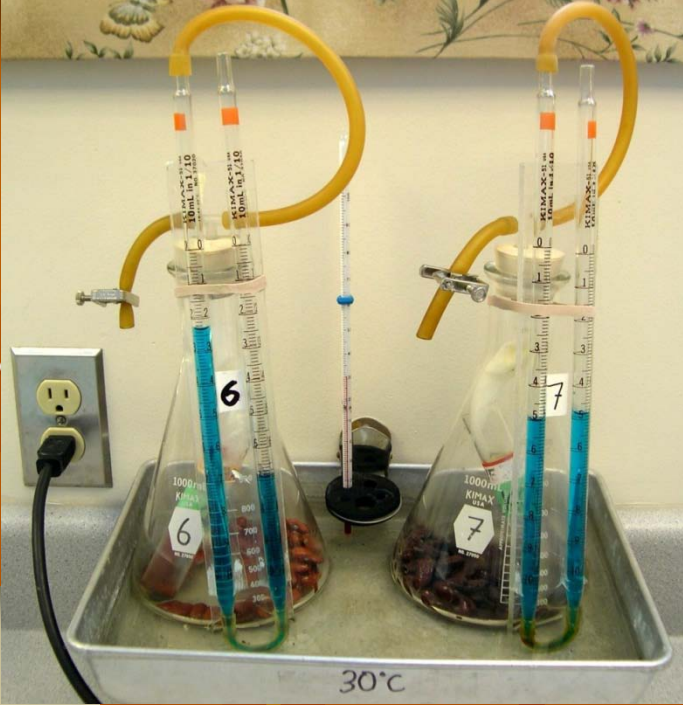
Carbon dioxide is a byproduct of respiration

Respiration

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What caused the blue liquid to move up the left pipette in flasks #3 and 6?



Why do we need “control” flasks with dead beans in each water bath?



Why is there a test tube containing 20% KOH in each flask?

Oxygen & temperature effects on respiration

Respiration

Why did the submerged beans
respire less?



Oxygen & temperature effects on respiration

Respiration

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Which part of the corn stained pink with tetrazolium?

What does this indicate?



Seed viability

Respiration



Write the summary equation for respiration to show why the thermos containing live seed was warmer than the one containing dead seed.

Heat liberated during respiration

Respiration



State the main function of the organelles indicated:

- A = Chloroplast
- B = mitochondria
- C = vacuole

Plant cell model

Respiration

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