

# THE WATER CYCLE, RESERVOIRS, AND RESIDENCE TIMES /28

1. Substances usually change from gas to liquid to solid, or from solid to liquid to gas. How is sublimation different?

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2. What do you think evapotranspiration means?

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3. What causes water vapor to condense?

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4. What force pulls all water molecules down?

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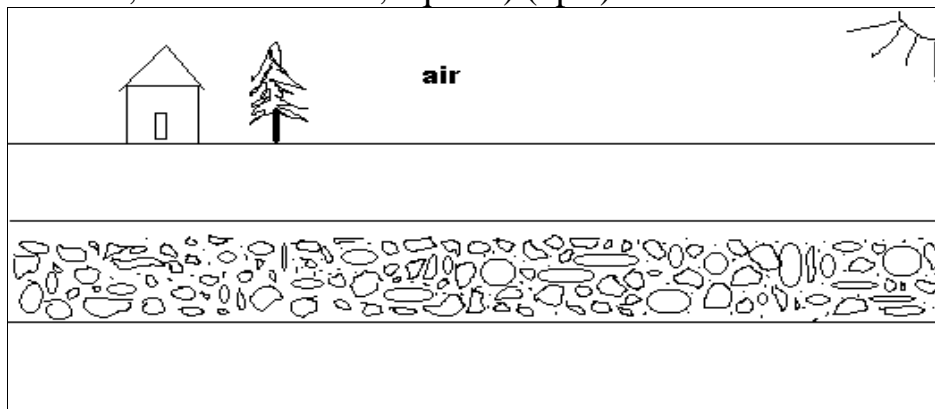
5. What causes water molecules to be lifted up again?

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6. Define infiltration

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7. Below is a picture of an aquifer. Label its parts. (Rock, sand, groundwater, water table, surface of earth, aquifer) (6pts)



8. Where is most of Earth's water located?

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9. Which reservoirs contain freshwater? (7pts)

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10. Which of those 7 are drinkable and accessible? (3 pts)

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11. What percent of our reservoirs are fresh water, drinkable, and accessible?

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12. What does biosphere mean?

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13. Why might it take a water molecule 3200 years to get out of the ocean?

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14. How long could a water molecule stay in a typical human being? (Longest time period? Shortest time period?) (2 pts)

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