

Water and Physics

High specific heat of water - What it means?

Water can absorb a lot of heat. Water heats up slowly, cools down slowly. Have you ever put a bucket of water in the sun during peak summer. Can you boil an egg in that water? Maybe not. Water will be hot but not so hot. The same summer sun can heat up the road so much that you can't imagine walking barefoot on it. Why? High specific heat of water, much more than road material. It takes a lot of heat energy to increase the temperature of water. That's why your body (70% water!) maintains its temperature. Imagine the earth as a giant organism. The oceans are like the heat sinks which regulate its temperature and make the heat more bearable!



Areas near large water bodies have moderate climate.

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