



Directions: Fill in the blanks and answer the questions as you watch the video.

1. More than _____% of your body is water and in Earth's 6 billion people flows _____ billion gallons of water, yet only _____% is fresh water mostly in glaciers and icebergs.
 2. The springhouse is designed to keep _____ out of the ground water itself and it never sees the light of day before bottling.
 3. Sterilization uses _____, a form of oxygen that destroys microorganisms.
 4. Water on Iceland travels through _____ rock, a natural filter.
 5. Sacramento water is filtered using a process called _____, where water molecules are small enough to pass through the membrane and become as pure as _____ parts per million (ppm). Then bottlers **remove** / **add** minerals for "better" taste before a zap of uv and ozone.
 6. Venetians learned to filter water through what substance? _____
 7. Europeans drank "small beer" because the alcohol would suppress fecal bacteria growth; Americans began bottling water in _____. It was revived in _____.
 8. Most substances in solid form **float** / **sink** in its liquid form.
 9. If a pond/ocean froze like other substances, life would be forced _____.
 10. Water, with its Mickey Mouse shape, has an opposite charge making it a _____ molecule – useful in cleaning clothes and dissolving stuff.
 11. The attractive force between the H & O is called a _____ bond.
 12. Water's high _____ explains how insects skip over it, drops form from it and enables it to ascend in capillaries in trees.
 13. Water is called the _____ because almost everything dissolves in it and may have given rise to _____ in the oceans.
 14. "Heavy water" with deuterium instead of hydrogen is used in what industry? _____
 15. Why can whales communicate better in water than in air? _____
- * _____
16. Farmers irrigate _____ million acres of farmland, which sucks up _____% of America's water.
 17. The Ogallala _____ is where water has percolated down to hold a quadrillion gallons of water and is used via wells to supplement rains.
 18. Why are there crop circles in the great plains? _____
- _____
19. _____ - irrigation puts water in to ground crops similar to how Mesopotamians did in Iraq.
 20. During transpiration, an acre of corn gives off _____ gallons of water each day!
- * _____
21. The streams of water in laminar arcs are held together by what property? _____
 22. 700 million miles from Las Vegas is another impressive water show...where? _____