Name:
Name:

Mod:

Review Sheet Chapter 1A

- 1. What do the following metric prefixes mean?
 - Milli (m)
 - 1000 Kilo (k)
 - Centi (c)
 - Deci (d)
 - Hecta (h)
 - 10 Deka (dk)
- 2. What metric unit is used for volume? Liter
- 3. What metric unit is used for mass?

- 4. What metric unit is used for length?
- 5. What metric unit is used for temperature? Celsius
- 6. If I measure the distance across the room and find it is 21.5 m, what would the distance be in cm?

7. If I determined the mass of a penny is 100.5 g, what would the mass be in mg?

1000g = 100,59 X = 100,500 mg

8. Charcoal was responsible for removal of what from our foul water sample?

Odor + color

9. What three methods were used to purify our "foul water"?

O oil/water separation @ filtration (3) chancoal adsorption

10. How is distilled water different from tap water?
injurities and dissolved minerals
impurities and dissolved minerals
11. For each item select the best answer
• Is the thickness of a dime closer to 1 mm or 1 cm?
• Is the diameter of a pencil closer to 7 mm or 7 cm?
• Is the volume of a can of Coke closer to 355 mL or 355 kL?
 Is the mass of a paperclip closer to 1 g or 1 kg?
12. Describe some implications if there were a lack of water
In your family
• In your town
• In your region of the country
• In the entire country
13. What are the steps of the water cycle? (in detail)
13. What are the steps of the water cycle? (in detail) everposed for to clouds - condensation - precipitation.
ground water surface water
14. Where are large amounts of groundwater stored?
15. Where is the majority of the Earth's water supply found?
16. What is a problem with this? it's salt water frot drinkable

...

18. How is each of the three phases of matter involved in the water cycle? Water exists in all three phases as it passes Hurry the Water cycle. 19. The total supply of water in the world has been the same for billions of years. Explain why? No new water is created. It only changes state as it passes through the water cycle 20. What is: The change from solid to liquid called? Give one example of this phase change. The change from a gas to a liquid called? Condensation Give one example of this phase change. Lew on the grass in the manning The change from liquid to solid called? freezing Give one example of this phase change. Making ice cubes The change from liquid to gas called? Condensation The change from liquid to gas called? The change from solid to gas called?	17. Where is the smallest volume of Earth's water supply found? Rivers lakes streams
 The change from solid to liquid called? Melting The change from a gas to a liquid called? Condensation Give one example of this phase change. Lew on the grass in the morning The change from liquid to solid called? Freezing Give one example of this phase change. Making ice cubes The change from liquid to gas called? Evaporation. Give one example of this phase change. Water evaporating from the oceans The change from solid to gas called? Sublimation Give one example of this phase change. Give one example of this phase change. 	water exists in all three phases as it passes through the water cycle. 19. The total supply of water in the world has been the same for billions of years. Explain why? No new water is created. It only changes state as it passes through the water cycle
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$$A \quad \underline{1 \, kg} = \frac{X \, kg}{3400 \, g}$$

$$x = 3.4 \text{ kg}$$

$$B. \frac{1 \, \text{Km}}{1000 \, \text{m}} = \frac{2.45 \, \text{Km}}{X \, \text{m}}$$

$$X = 2750 \, \text{m}$$

$$\frac{C}{100 \text{ cg}} = \frac{xg}{345 \text{ cg}}$$

$$X = 3.45 g$$

$$X = 5.8 dL$$

$$E = \frac{19}{1000 \text{ mg}} = \frac{x_g}{9420 \text{ mg}} = \frac{1}{9.42} = \frac{1}{9.42} = \frac{1}{9}$$

$$X = 9.42 g$$