Physical Science

Section 1.2 Guided Reading

1. Copy the 3 statements of **What You’ll Learn.**

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2. What is a standard?

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3. What is the metric system based on?

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4. What is SI an abbreviation for?

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5. How is the SI system related to the metric system?

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6. What is the purpose of a standard?

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7. What does the prefix ‘kilo-‘ mean?

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8. How are kilometers and meters related?

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9. What does the prefix ‘deci-‘ mean?

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10. What does the prefix ‘centi-‘ mean?

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11. What does the prefix ‘milli-‘ mean?

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12. What are conversion factors used for?

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13. What is a conversion factor?

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14. List what unit of measurement is used for each of the following:

Distance: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Weight: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. What is meant by volume?

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16. How do you calculate the volume of a solid rectangle?

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17. What is mass?

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18. What is density?

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19. How do you find density?

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20. What is time?

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21. What is the SI unit for time?

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22. What temperature scale is used in science?

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23. At what temperature does water boil? Freeze?

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24. How do you calculate Celsius based on Fahrenheit?

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25. What is the average body temperature on the Celsius scale?

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26. What is the SI unit of temperature?

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