

Student Comprehension Worksheet

Directions: Read the online Science News article "[The metric system is growing. Here's what you need to know](#)," which explores new prefixes for the metric system. A version of the article, "The metric system gains new prefixes," appears in the January 14, 2023 issue of *Science News*.

- 1. What are the new metric system prefixes? How are they represented numerically compared with a base unit of measure, for example one meter?**
- 2. When and where were the new prefixes adopted?**
- 3. What was one sign that new prefixes were needed, according to Richard Brown?**
- 4. What is the global system of measurement called? Why is it beneficial for scientists to use a shared system and set of prefixes? Explain.**
- 5. What are the masses of Earth and an electron using the new prefixes? Why might these prefixes be beneficial in some cases?**