

Vocabulary — Practice Quiz

Name: _____ Period: _____ Date: _____

This is a *practice* quiz — it covers the same Unit 1 vocabulary as the real quiz, arranged differently. Part A is matching; Part B is multiple choice.

Part A — Matching. Write the letter of the correct definition on the line next to each term.

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|--------------------------------|---|
| 1. ____ Bit | (A) Data that changes discretely through a finite set of possible values. |
| 2. ____ Byte | (B) An error from trying to represent a number that is too large. |
| 3. ____ Binary | (C) The single unit of information in a computer, a single 0 or 1. |
| 4. ____ Decimal | (D) A work or invention resulting from creativity, to which one has rights. |
| 5. ____ Overflow Error | (E) A way of representing information using ten options. |
| 6. ____ Analog Data | (F) Data with values that change continuously, or smoothly, over time. |
| 7. ____ Digital Data | (G) 8 bits. |
| 8. ____ Lossy Compression | (H) Reducing the number of bits by permanently discarding some information; not reversible. |
| 9. ____ Creative Commons | (I) A way of representing information using only two options. |
| 10. ____ Intellectual Property | (J) A collection of public copyright licenses enabling free distribution of a copyrighted work. |

Part B — Multiple Choice. Choose the best answer.

11. Which of the following best describes **sampling**?

- (A) Representing information using only two options
- (B) An error caused by a number that is too large
- (C) Permanently deleting bits to make a file smaller
- (D) Measuring an analog signal at regular intervals to create a digital representation

12. A calculation produces 3.14159265 . . . , but the computer can only store a few digits, so it stores 3.14. This is an example of a:

- (A) Lossless compression
- (B) Overflow error
- (C) Round-off error
- (D) Sampling error

13. Which situation calls for **lossless compression**?

- (A) Streaming a movie where a slight drop in quality is acceptable
- (B) Lowering an image's quality to save storage space
- (C) Zipping a computer program so it still runs perfectly after being unzipped
- (D) Making a digital audio recording of a live concert

14. How many bits are in one **byte**?

- (A) 16
- (B) 8
- (C) 2
- (D) 4

15. Which of the following is the best example of **digital data**?

- (A) The loudness of a live trumpet as it plays
- (B) The continuous sweep of a clock's second hand
- (C) The smoothly changing temperature over a day
- (D) A song stored as a sequence of bits