Name: _____   Date: _____

GENIUSCHALLENGE

INFORMATION TRANSFER

1. What two things are used to form patterns representing letters and numbers in Morse code?

1. _____   **2.** _____

2. What two symbols do computers use to form patterns and code information?

1. _____   **2.** _____

3. What are the three colors of light that make up pixels on a screen to create colors?

1. _____   **2.** _____   **3.** _____

4. True or false: information is stored on CDs using tiny holes burned with lasers. _____

5. How does a 3D printer know what to print?

_____

6. What does a TV remote control send to the TV?

_____

7. True or false: information is sent directly from one cell phone to another. _____

8. What was a key discovery in the advancement of early information transfer?

_____

9. If you want to have a higher definition image, you need more of what?

a. dots   **b.** 1s   **c.** electricity   **d.** pixels

10. What is found inside your cell phone and other devices that store music?

_____

11. Before information was transferred electronically how did people share information?

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