

NAME: _____

Video Scavenger Hunt: Space Race



CHIP KIDS

Answer the following multiple-choice questions as you watch the video!

1. What material is needed to begin making microchips?

- a. conductors b. sand c. batteries

2. Sand is made up of which pair of elements?

- a. hydrogen & neon b. gold & silver c. silicon & oxygen

3. By adding _____ at very high temperatures, oxygen is driven out, leaving liquid silicon.

- a. water b. aluminum foil c. carbon

4. A(n) _____ is lowered into the molted silicon, and when it is pulled out, a cylinder of pure silicon solidifies onto the line.

- a. etch b. seed crystal c. glass claw

5. This silicon cylinder is called a _____; it is sliced into thin wafers, the starting point for making microchips.

- a. boule b. bat c. baren

6. True or false: Microchips are completely flat, and they remain the exact same on the wafer.

- a. TRUE b. FALSE