

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