

ANSWER KEY

Video Scavenger Hunt: 3D Microchip



CHIP KIDS

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

1. **TRUE OR FALSE: Microchips are made up of many intricate layers stacked on top of each other.**

a. TRUE

b. FALSE

2. **Microchips are most like the _____ of our electronic devices.**

a. lungs

b. skin

c. brains

3. **What is the primary element used in microchips?**

a. silicon

b. aluminum

c. carbon

4. **Which of the following is NOT a part of the microchip manufacturing process?**

a. diffusion

b. etching

c. conducting

5. **Which of the following IS an example of a microchip component?**

a. anode

b. insulator

c. polymer

6. **The different components of a microchip allow it to _____ electrical signals.**

a. add, subtract, & multiply

b. collect, process, & act on

c. conduct, resist, & diffuse