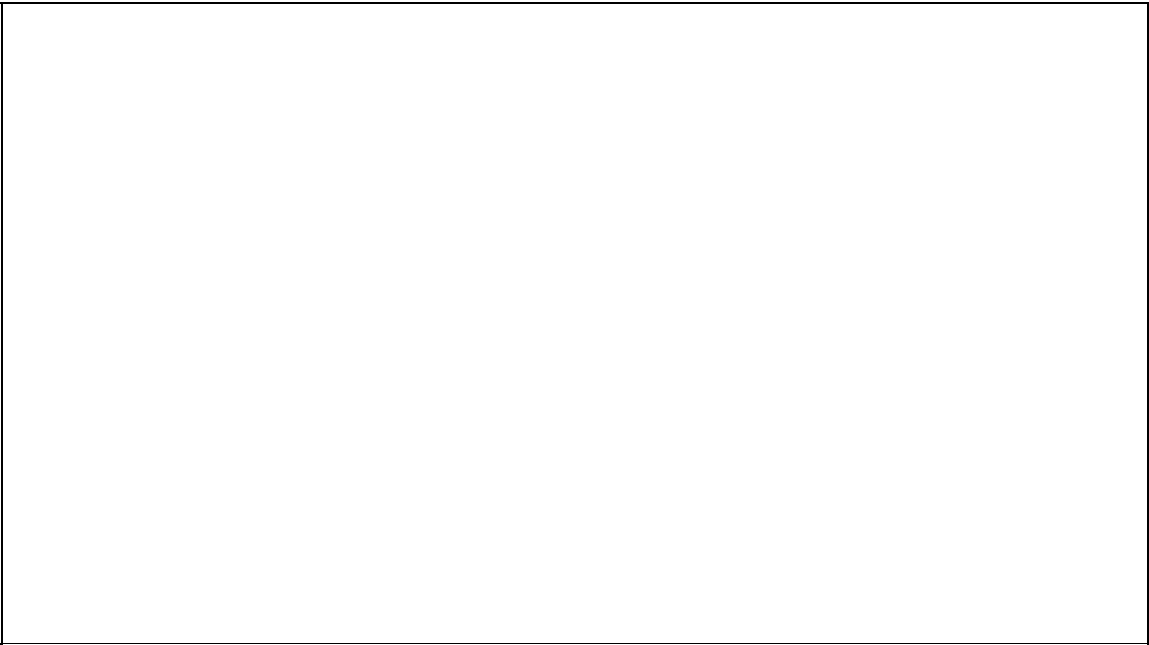


TYPES OF TRANSISTORS




	3:52 / 3:52	1.0x			
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REPRESENTING CONNECTIONS AND WIRES

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### 1. CHECK YOUR UNDERSTANDING (1/1 point)

What is the value of the gate input of a transistor when the switch is open?

- ☐ 0 for n-type and 0 for p-type
- ☒ 0 for n-type and 1 for p-type 
- ☐ 1 for n-type and 0 for p-type
- ☐ 1 for n-type and 1 for p-type

#### EXPLANATION

For an n-type transistor, a 0 on the gate input opens the switch and a 1 closes it. The opposite is true for a p-type transistor

Final Check

Save

Hide Answer

You have used 1 of 2 submissions

## 2. CHECK YOUR UNDERSTANDING (1/1 point)

In a static CMOS logic gate, the \_\_\_\_\_ transistors are connected to the supply voltage and the \_\_\_\_\_ transistors are connected to ground.

Help

- ☐ n-type, n-type
- ☐ p-type, p-type
- ☐ n-type, p-type
- ☒ p-type, n-type ✓

## EXPLANATION

The p-type transistors are connected to the supply voltage and pull the output voltage up to a 1 for particular inputs. The n-type transistors are connected to ground and pull the output voltage down to a 0 for particular inputs.

Final Check

Save

Hide Answer

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