CONCEPT: KIRCHHOFF'S JUNCTION RULE

● Remember: Resistors in Series have the same _____.

- Current changes ONLY IF the wire SPLITS into 2 or more.

- Points where a wire SPLITS are called JUNCTIONS or NODES.

● Current INTO a junction is always _____ current OUT of the junction → Σi_{in} _____ Σi_{out}

- This rule is called Kirchhoff's JUNCTION Rule or Kirchhoff's _____ Law.

EXAMPLE 1: What is the voltage of the 2 Ω resistor in the following figure? (Remember: V = IR)