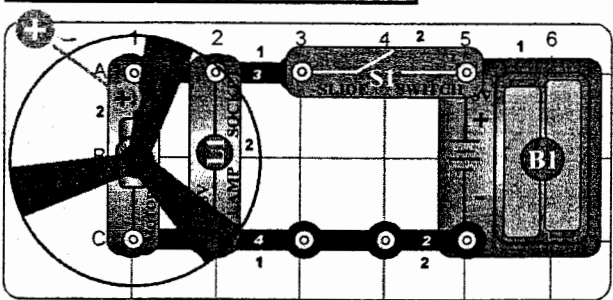


parallel circuit

Activity 2 Lamp and Fan in Parallel



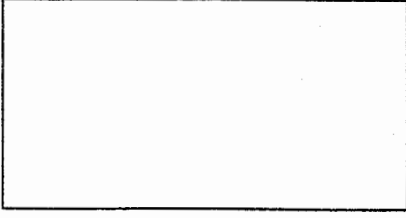
| Materials List | |
|----------------|--------------------------|
| Quantity | Description |
| 1 | 2-Snap Wire |
| 1 | 3-Snap Wire |
| 1 | 4-Snap Wire |
| 1 | Battery Holder (B1) |
| 1 | Lamp (L1) |
| 1 | Motor (M1) and Fan Blade |
| 1 | Slide Switch (S1) |

Assembly
Build the circuit shown.

WARNING: Moving parts. Do not touch the fan or motor during operation.

WARNING: Do not lean over the motor.

Use the circuit diagram symbols to draw the circuit:



Operation

What happens when you close the switch? _____

What happens when you open the switch? _____

Remove the lamp. What happens to the motor? _____

Put the lamp back in. Open the switch. Remove the fan blade from the motor. Close the switch. What happens to the lamp? _____

How is a parallel circuit different from a series circuit? _____

What have you learned because you worked on this project?

Fred
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standards ISTE.1.a, ISTE.1.C, ISTE.2.d, ISTE.3a, ISTE.3.d