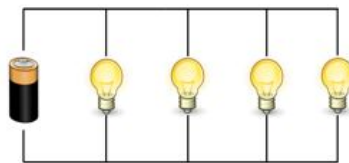


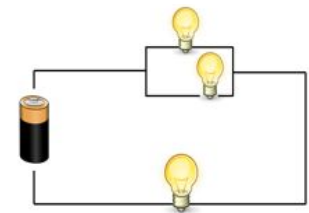
- It is preferable to connect bulbs in series or in parallel? (Hint: What if one bulb burns out?)
  - Series
  - Parallel
  - Both series and parallel
  - Neither series nor parallel
  
- Batteries are most efficient when connected in \_\_\_\_\_ (Hint: Which method doubles the voltage?)
  - Series
  - Parallel
  - Either series or parallel
  - Neither series nor parallel
  
- Which is the most cost efficient connection? (Hint: In which method do bulbs share the voltage?)
  - Series
  - Parallel
  - Either series or parallel
  - Neither series nor parallel
  
- For the following circuits, state if the circuits are series, parallel, or both:



\_\_\_\_\_



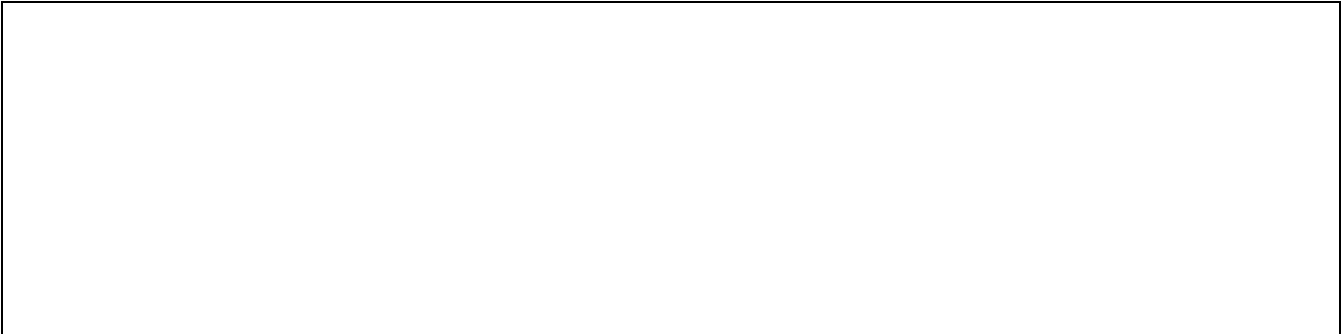
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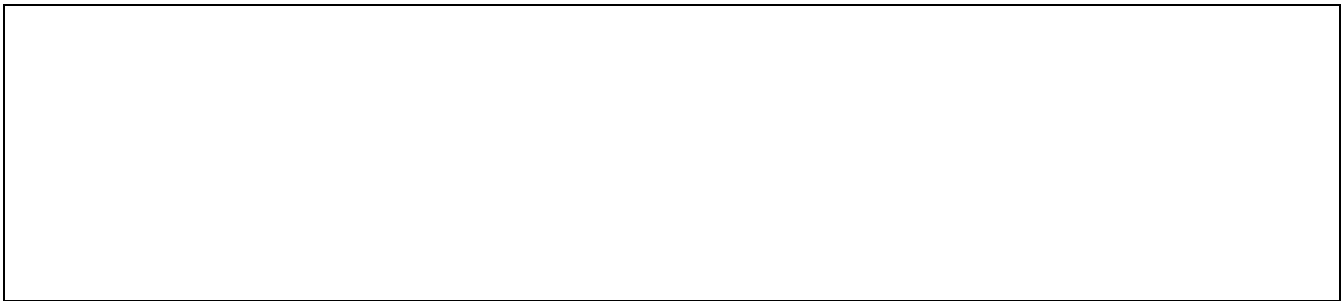
\_\_\_\_\_

5. In the space provided, draw each of the following circuits:


a) A series circuit with 2 light bulbs and 1 battery



b) A parallel circuit with 3 light bulbs and 1 battery



c) A series circuit with 5 light bulbs, 1 battery, and 1 switch (in the “off” position).



d) A parallel circuit with 4 light bulbs, 1 battery, and 1 switch (in the “off” position).

