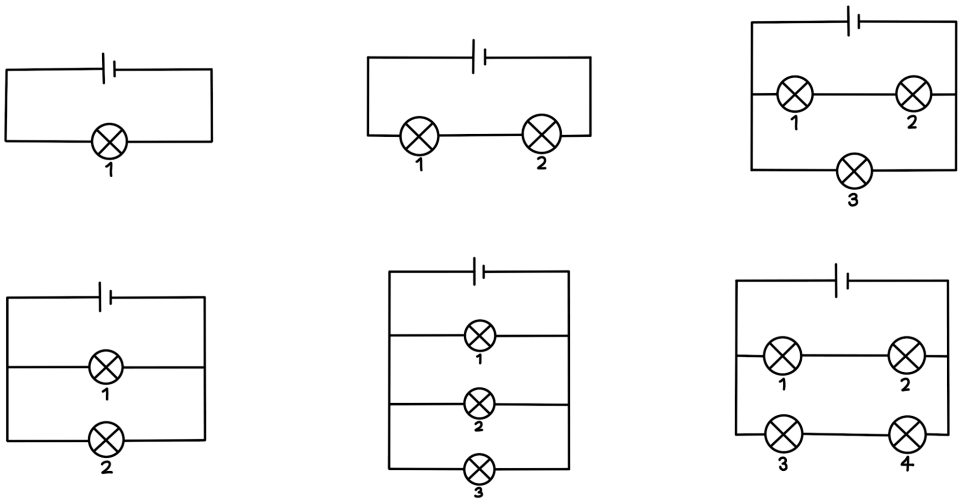
# OCR (B) Physics GCSE

## PAG 7: Series and Parallel Circuits

# Investigating the brightness of bulbs in series and parallel




1. Set up each of the circuits above
2. Record the **brightness** of bulbs 1 to 4 (if applicable) **qualitatively**
3. **Compare** the brightness of the bulbs when connected in **parallel** and **series** circuits; when there is 1 bulb compared to 4
4. You may also compare the brightness **quantitatively** by connecting a voltmeter in parallel across each of the bulbs (the **higher** the PD, the **greater** the brightness)