

5 Four situations where there may be error in measurements are listed.

- P current measured on an ammeter which has a zero error
- Q potential difference measured using a voltmeter which always reads 80% of its true value
- R time measured by different people using the same stop-watch
- S temperature measured on a mercury thermometer situated in a poorly lit part of the laboratory

Which row correctly classifies the possible types of error associated with each situation?

	random	systematic
A	P and Q	R and S
B	Q and R	S and P
C	R and S	P and Q
D	S and P	Q and R

6 An object is projected with an initial horizontal speed. It experiences a constant vertical