

1. Fill the Gaps The following paragraphs describe capacitance. Use your knowledge (or any other resource) to fill in the gaps with the words provided below.

voltage • picofarads • ability • microfarads • measured • charge

Capacitance is a measure of a capacitor's to store charge. A large capacitance means that more can be stored.

Capacitance is in farads, symbol F. A Farad is the charge (in coulombs) it takes to raise the across the capacitor by one volt. This is a large value. Most capacitors have values in (μF = one-millionth of a Farad) or (pF = one-millionth of a microfarad).

2. CHARACTERISTICS Indicate which of the following characteristics or functions belongs to which component.

Characteristics/Functions	Diode	Capacitor	Resistor
a. can store an electric charge			
b. one version is known as CCR			
c. loses electrical energy in the form of heat			
d. can be ON or OFF			
e. smoothes varying DC supplies			
f. will deliver current when a certain voltage is applied			
g. blocks the current in one direction			
h. previously known as a condenser			
i. limits the flow of current			

3. Anagrams Re-arrange the letters in the anagram to form a word from the piece of text labelled "Types of Resistor".

Property	Word in text
a. die run wow	
b. mice stoop	
c. sere visit	
d. crampon reef	
e. induct cove	
f. bags filers	