

# key

## Electrostatics: Forces and Fields

Review all your calculations

Make notes and A3's - worksheets are completed for the week  
Knowledge from the last week

### 1. Coulomb's Law

1. State the law
2. Explain the law

Don't worry  
about this

### 2. Electric Fields

1. Explain the concept of an electric field
2. State the definition of an electric field
3. Give an example of an electric field

### 3. Electric Potential

1. Explain the concept of electric potential

When the sign is positive and the test charge is positive, the potential is positive

When the sign is negative and the test charge is positive, the potential is negative

### 4. Electric Potential

1. Explain the concept of electric potential
2. Explain the difference between electric potential and electric field

### 5. Electric Fields

1. Explain the concept of electric field
2. Explain the relationship between electric field and electric potential
3. Explain the relationship between electric field and electric force
4. Explain the relationship between electric field and electric potential

The Force - the result of all charges acting on an object

If charges are in the same direction, they are added

If charges are acting in opposite directions, they are subtracted