

Current. Ammeter.

1) revise theme current sources, construction and principle of work of the current source

2) know the meaning of current

3) make electric circuit experimentally and using symbols



Translate into English:

Electric current	Электрический ток	Электр тоғы
Direction of electric current	Направление электрического тока	Электр тоғының бағыты
Electric circuit	Электрическая цепь	Электр тізбегі
Direct and alternating current	Постоянный и переменный ток	Тұрақты және айнымалы тоқ
Effect of electric current	Действие электрического тока	Электр тоғының әсері
Switch	Ключ	Кілт
Bulb	Лампочка	Қыздырушы шам
Ammeter	Амперметр	Амперметр
Cell	Гальванический элемент.	Гальвани элементі
Conducting wire	Провод	Сым
Battery	Батарея	Батарея
Electric charge	Электрический заряд	Электр заряды
Coulomb (C)	Кулон (Кл-един. измерения заряда)	Кулон
Sources of current	Источники тока	Ток көзі

Questions:

Who said the term "electric current" for the first time?

> André-Marie Ampère (20 January 1775 – 10 June 1836)





Current - Сила тока (I, A)

Current is the amount of charge passing through a point in the circuit in one second.





LOGO



I – Current (A) q – Charge (C) t – time (s)

Units of current

OG



Caution! 1A is dangerous for life!

Ammeter (Амперметр)

LOGO

Ammeter is the device for measuring current



Problem solving

LOGO

A charge of 3.6*10⁴C passes through a bulb in 1 hour. What is the current passing through the bulb?



Practice:

Find current in electric bulb , if electric charge of 300C travels through it during 10min.

What charge will travel during 3min through ammeter if current is 0.2A?

2

Current is 200A. What is the time the charge of 60000C travels through it?

3

Current in the iron is 0.2A. What charge will travel through it during 5 min?

4

Symbols of electric device or Electric elements





Make a circuit:



Alternative energy sources





Feedback:





Thank You !

