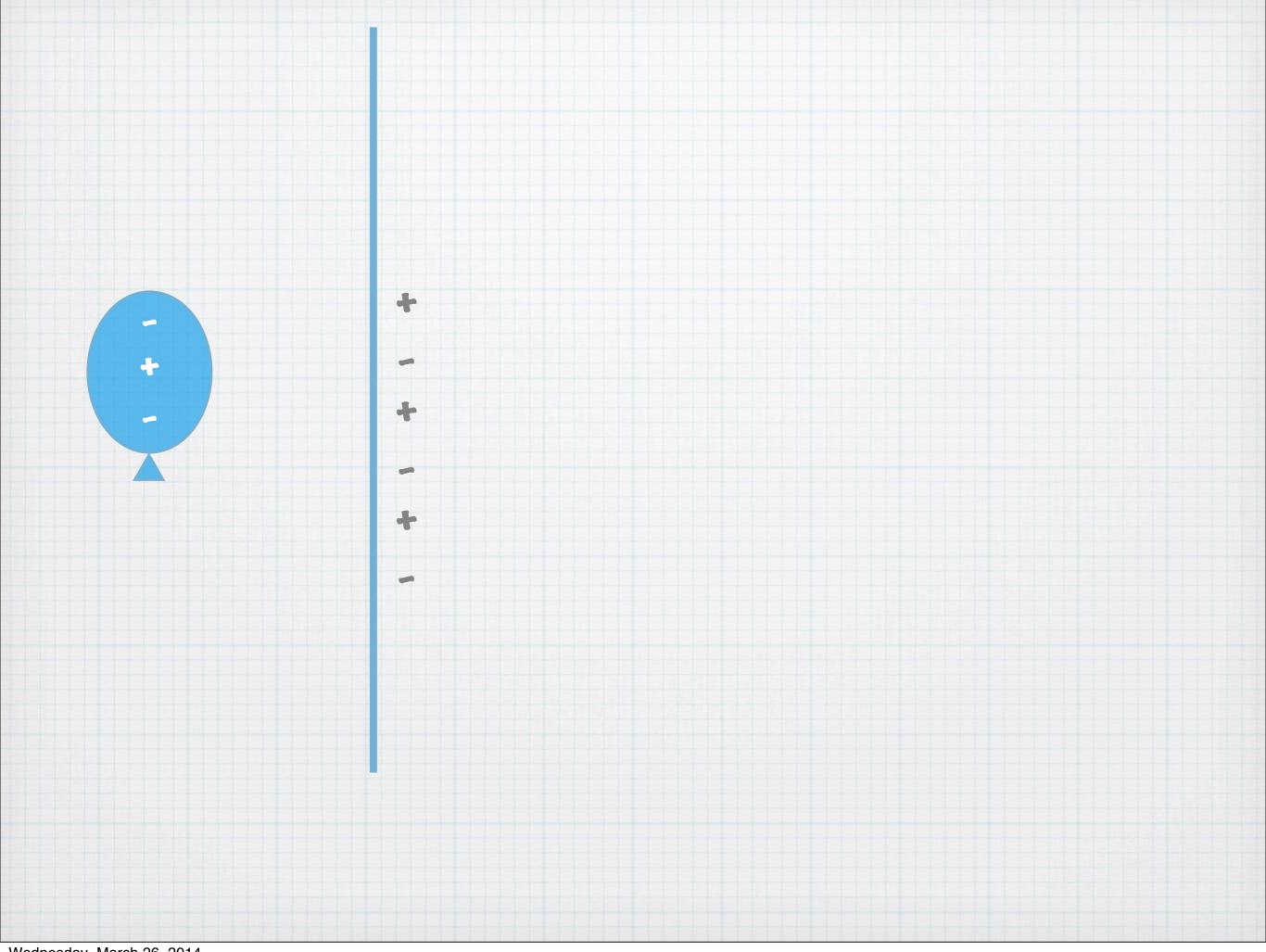
Induced Charge Separation

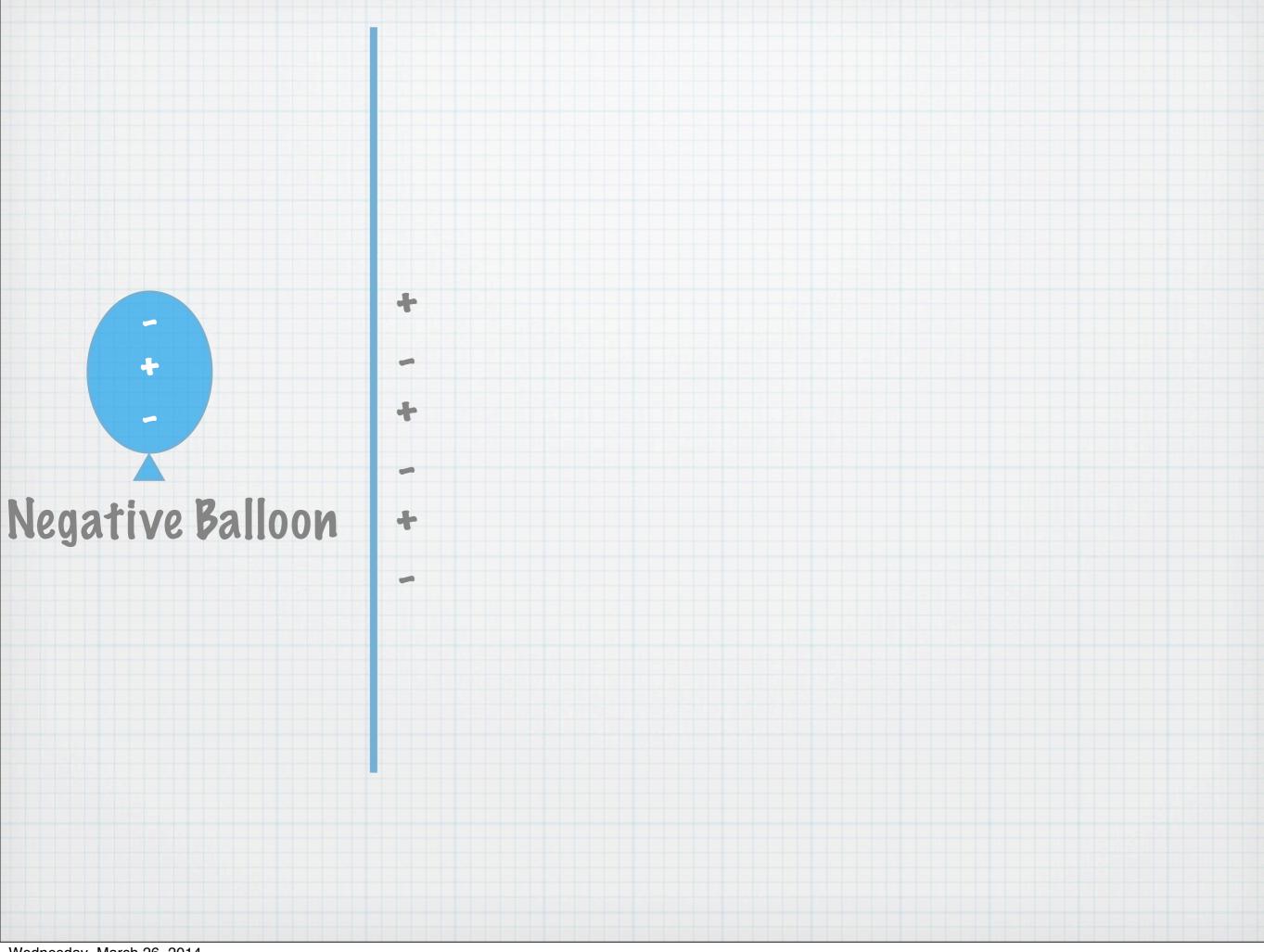
Induced Charge Separation

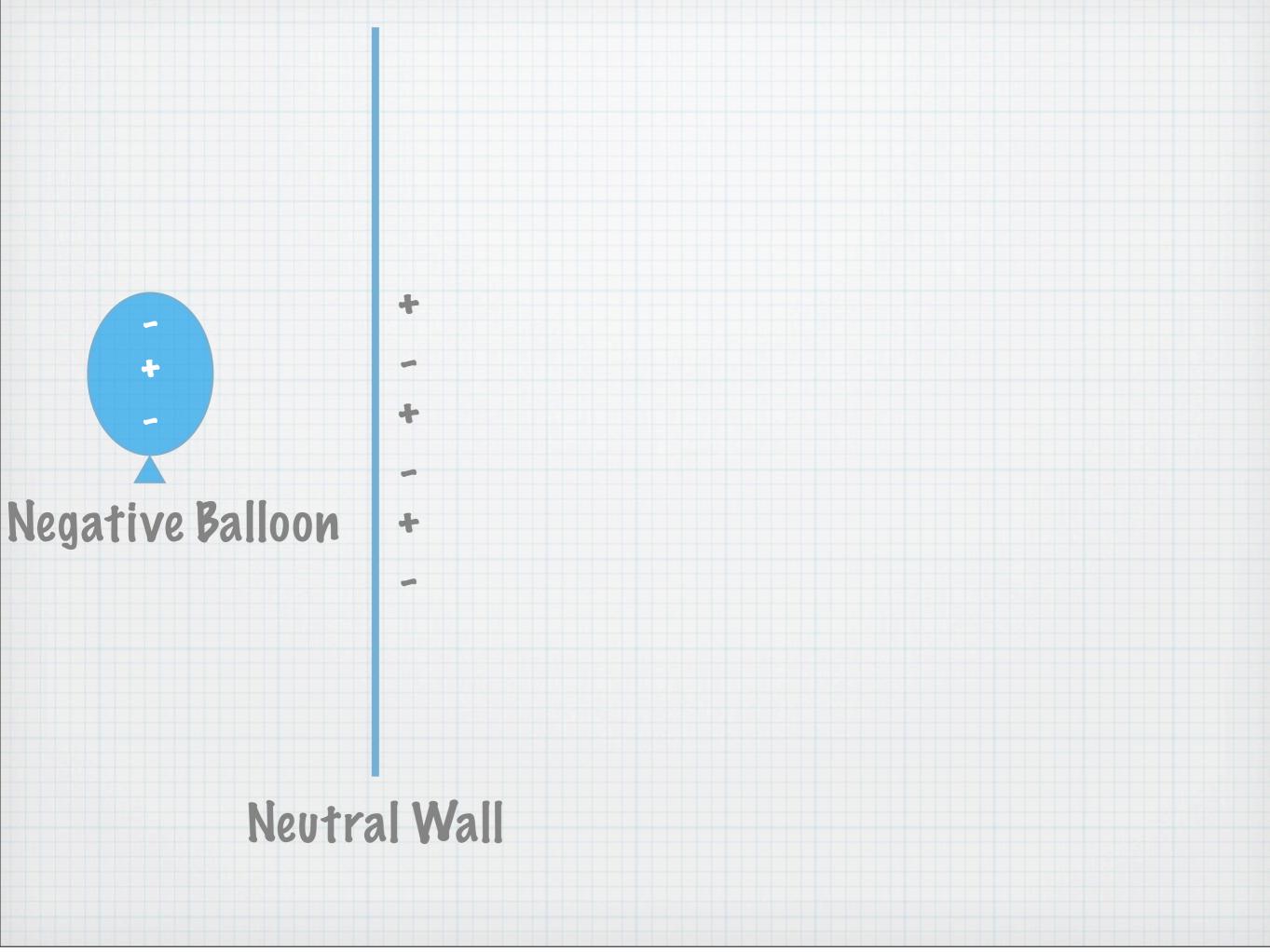
* When a charged object is brought close to a neutral object, it induces a charge in the neutral object.

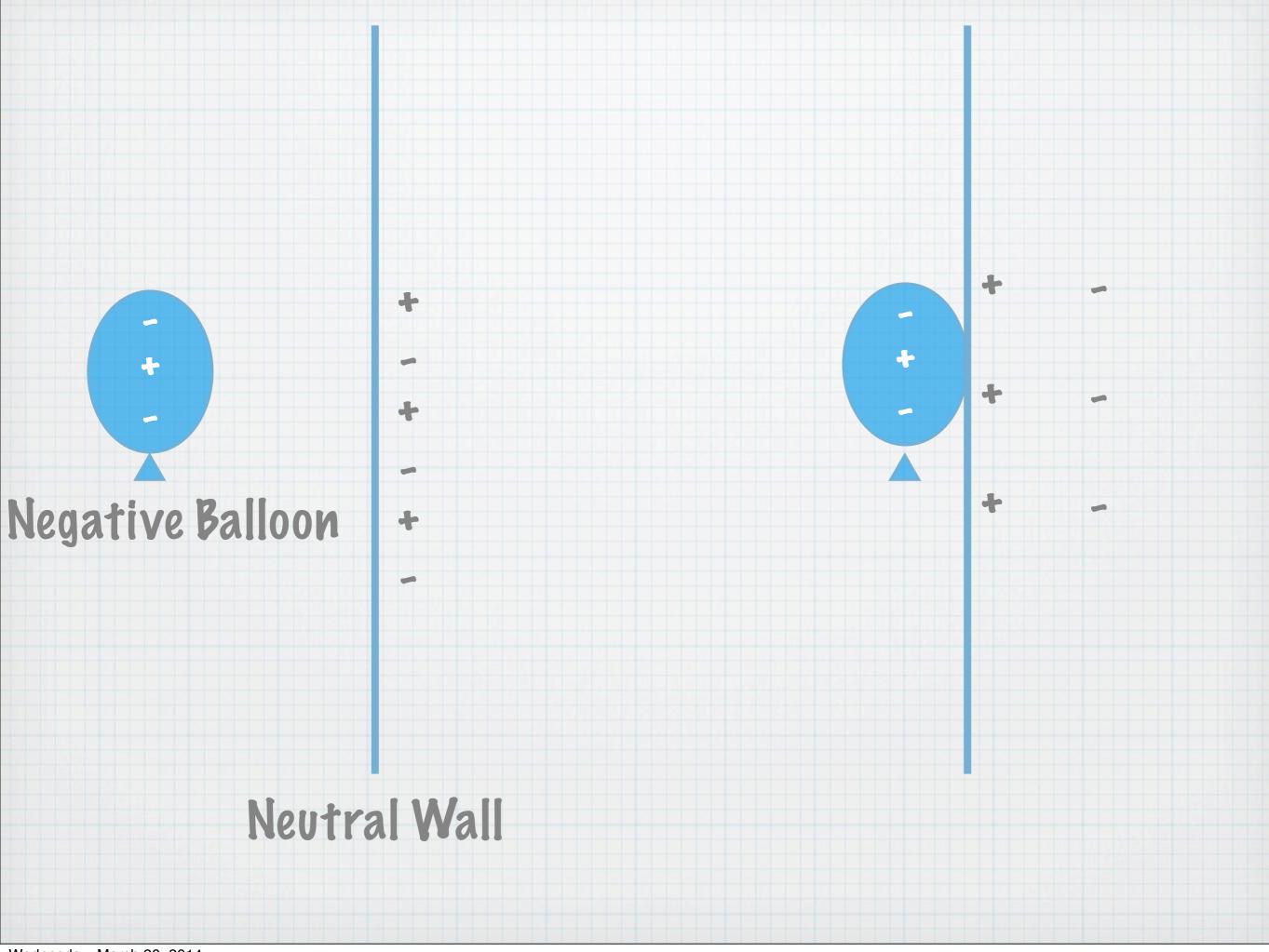
Induced Charge Separation

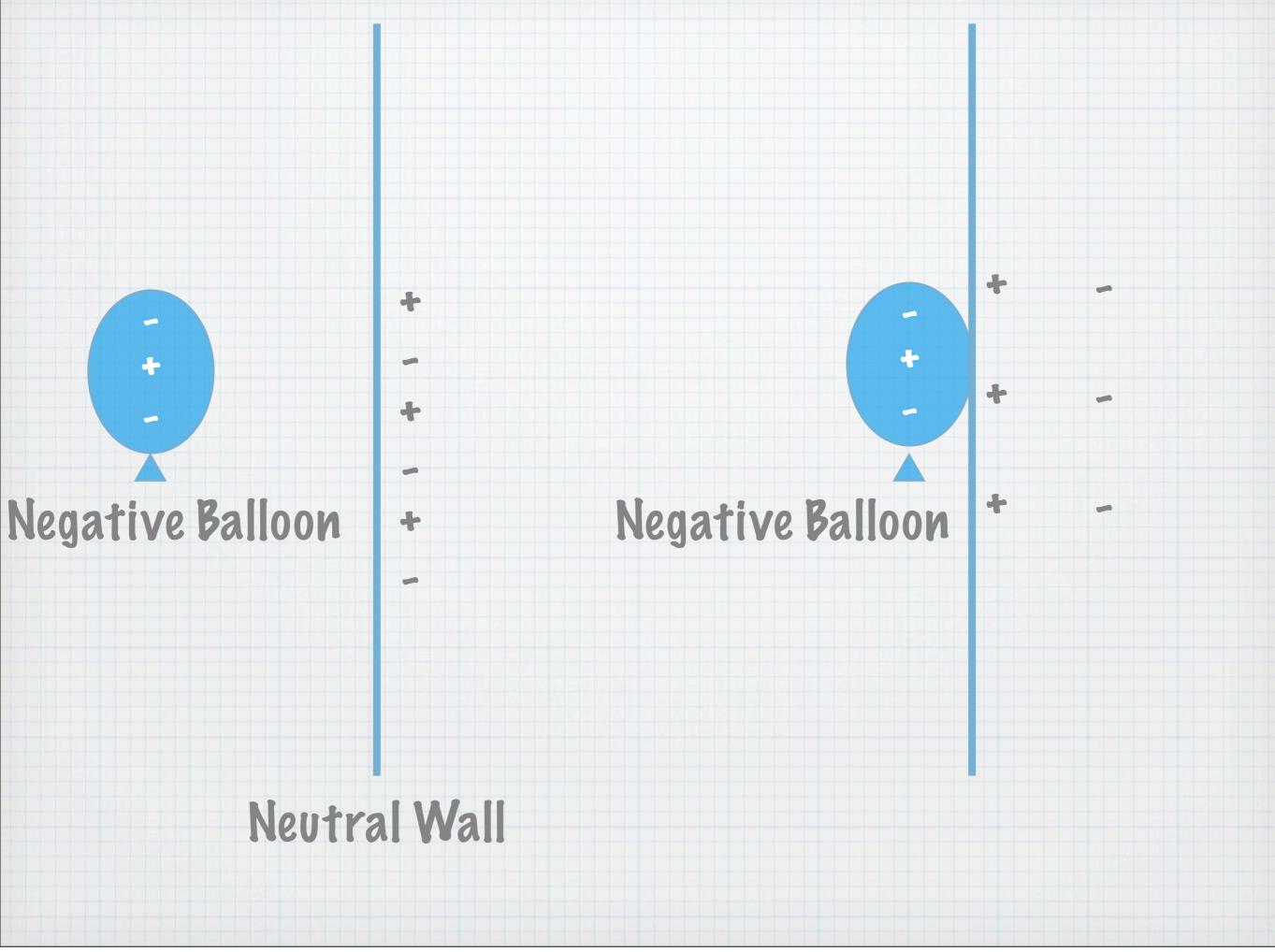
- * The charges that are similar to the charged object are pushed to the opposite end and the closer end becomes oppositely charged.
- * This makes the neutral object attracted to the charges object.

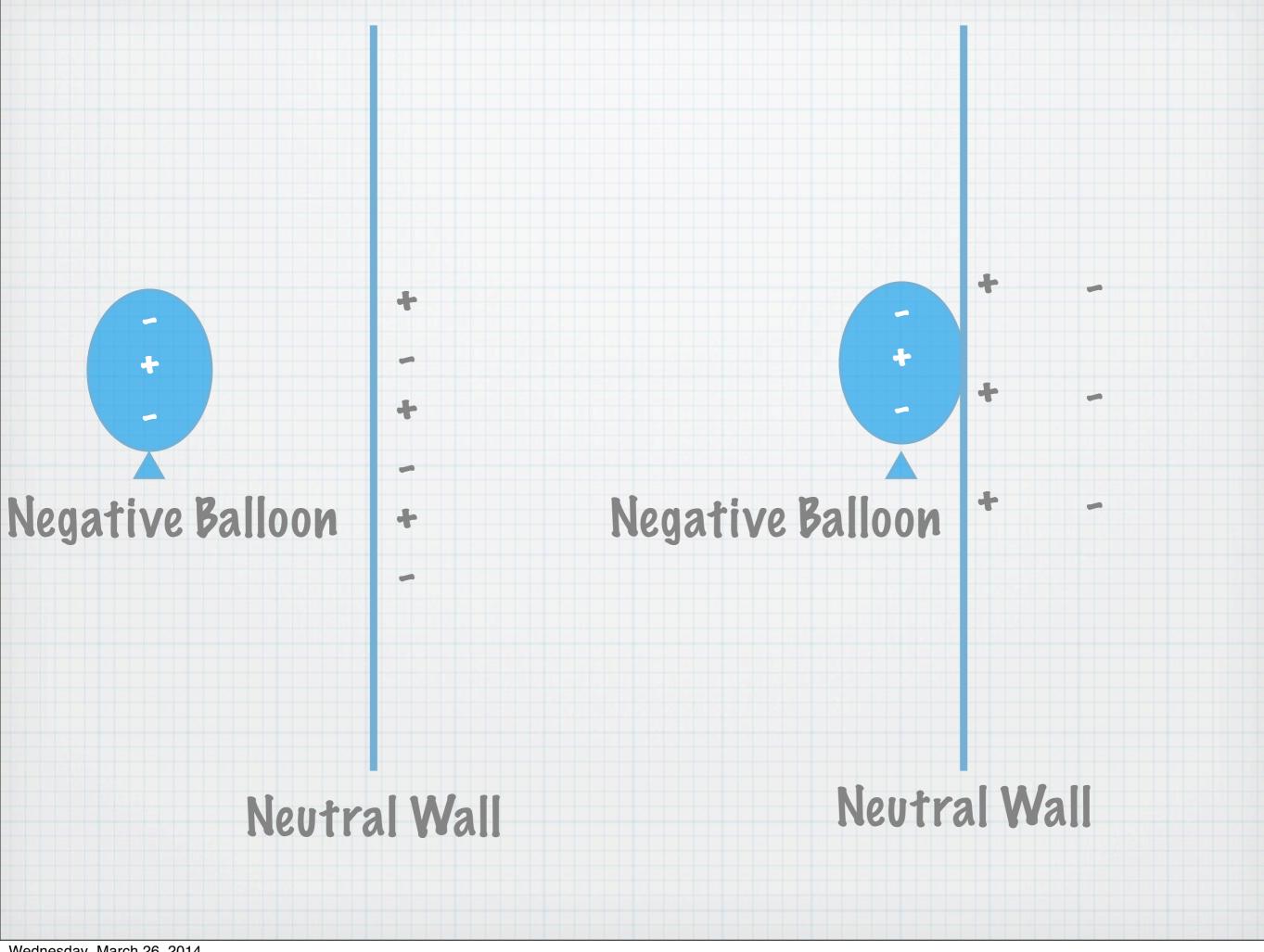


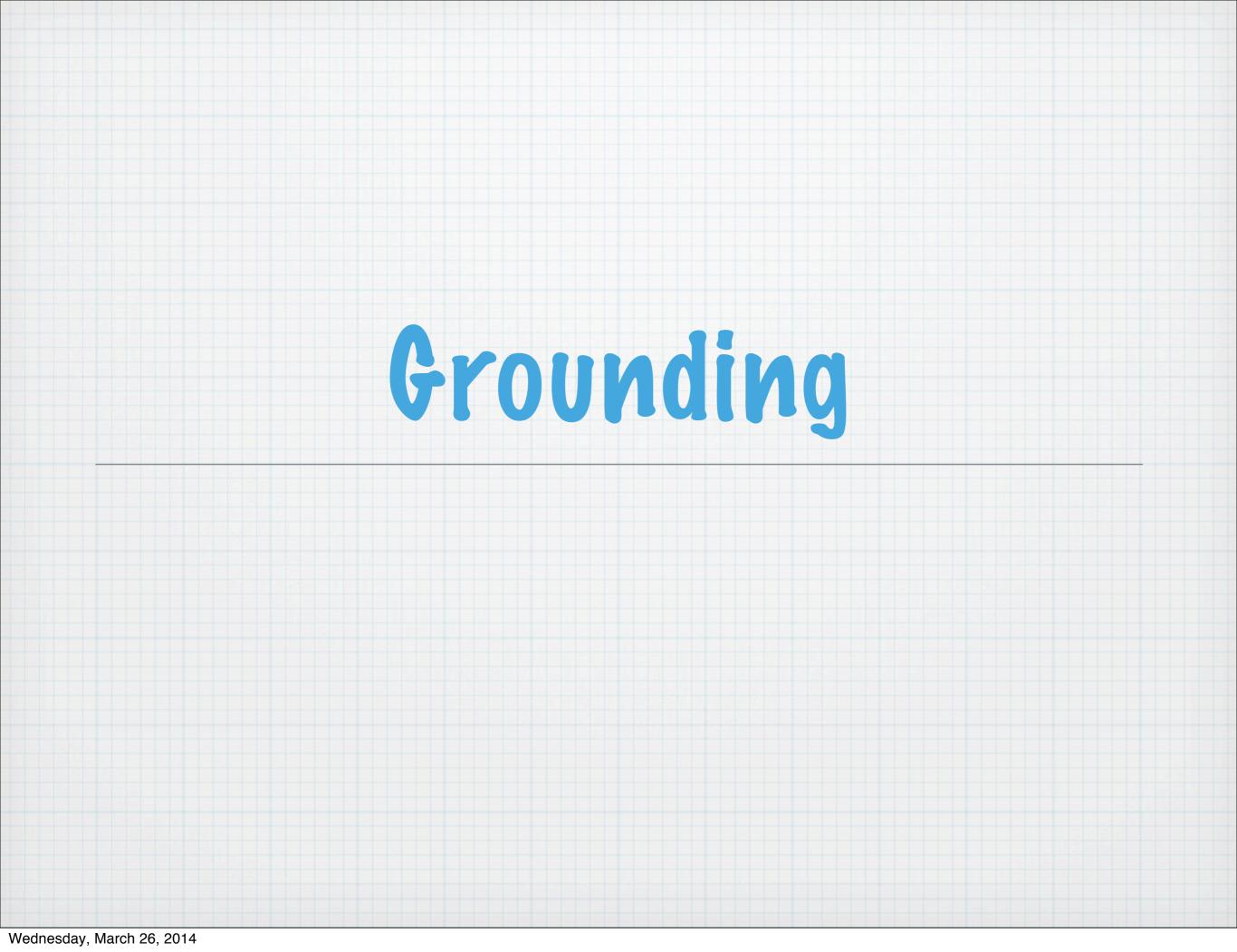












- * Grounding: When objects have their electric charge removed
 - * Often removes the excess charge by transferring electrons between an object and a large neutral object (such as the Earth)

* Symbol for grounding

* When a positively charged object is grounded, electrons from the ground travel into the object until it becomes neutral

* When a <u>negatively</u> charged object is grounded, electrons from the object travel into the ground until it becomes neutral

* A shock is when a lot of electrons are transferred quickly between a negatively charged object and a grounded object.