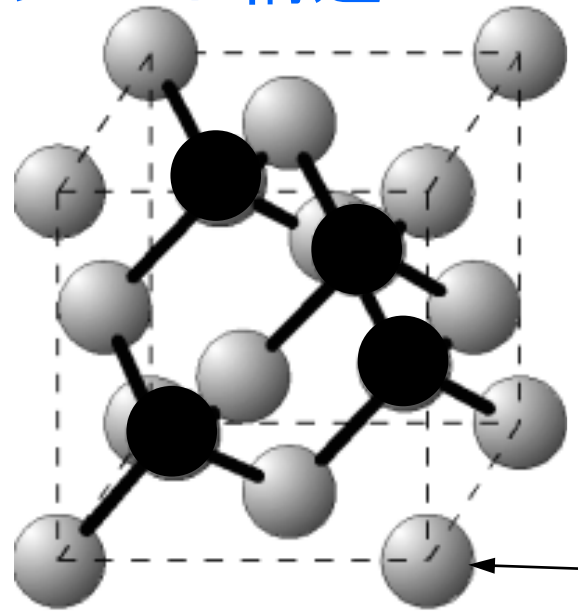
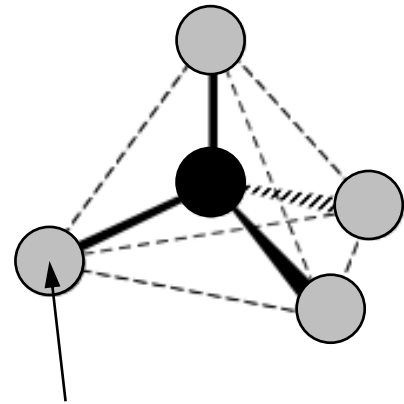


# ダイヤモンド構造

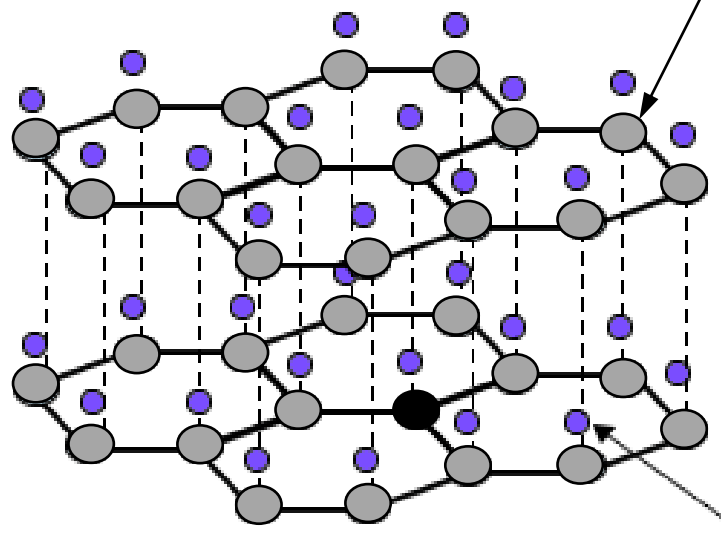


炭素原子



SP<sup>3</sup>混成軌道  
4本の結合

# グラファイト構造



電子

SP<sup>2</sup>混成軌道  
3本の結合

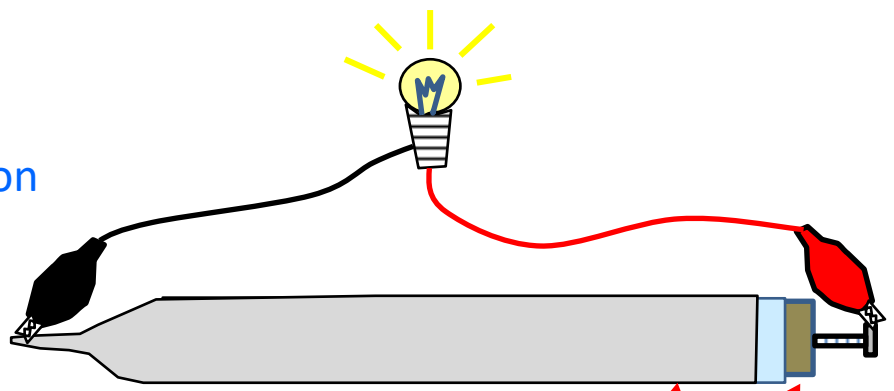
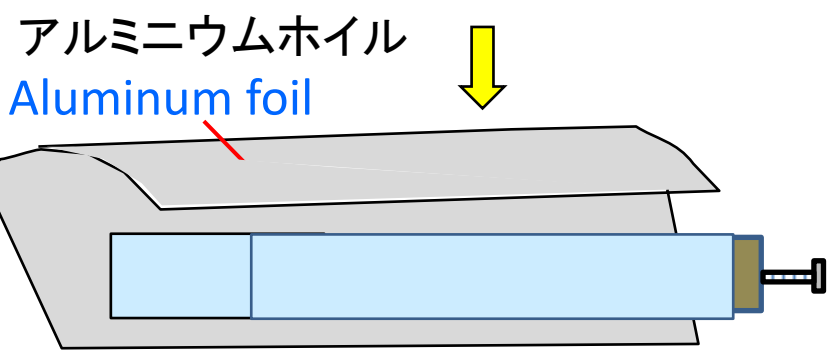
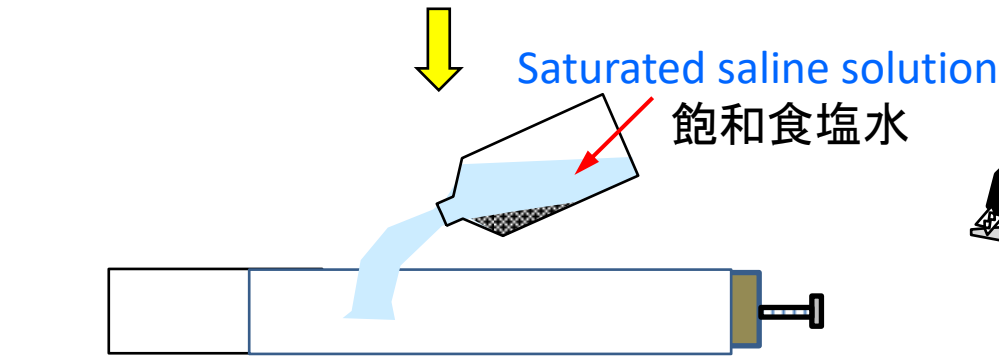
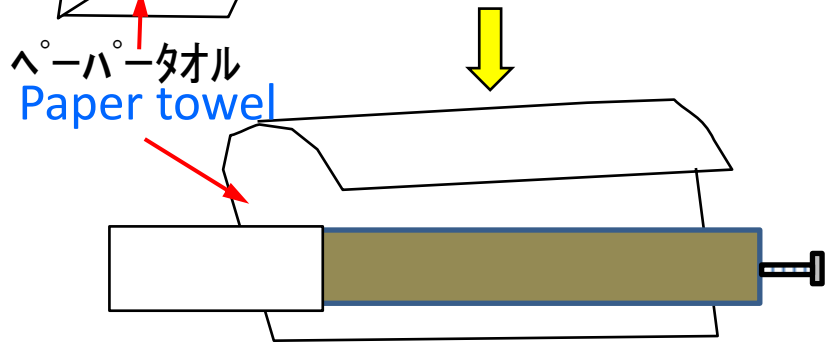
電子が1つ余り  
→自由に動ける  
→導電性

# 炭電池の作製手順

## Procedure of making a Charcoal battery

備長炭はウバメガシから作製する高級グレードの炭

“Binchotan” is a high-grade charcoal produced from ubame oak



注意！！  
アルミと炭はショート  
させないこと

**Caution！！**  
**Don't short circuit**  
**between Al and Charcoal**

# 炭電池のメカニズム

# A mechanism of a Charcoal battery

