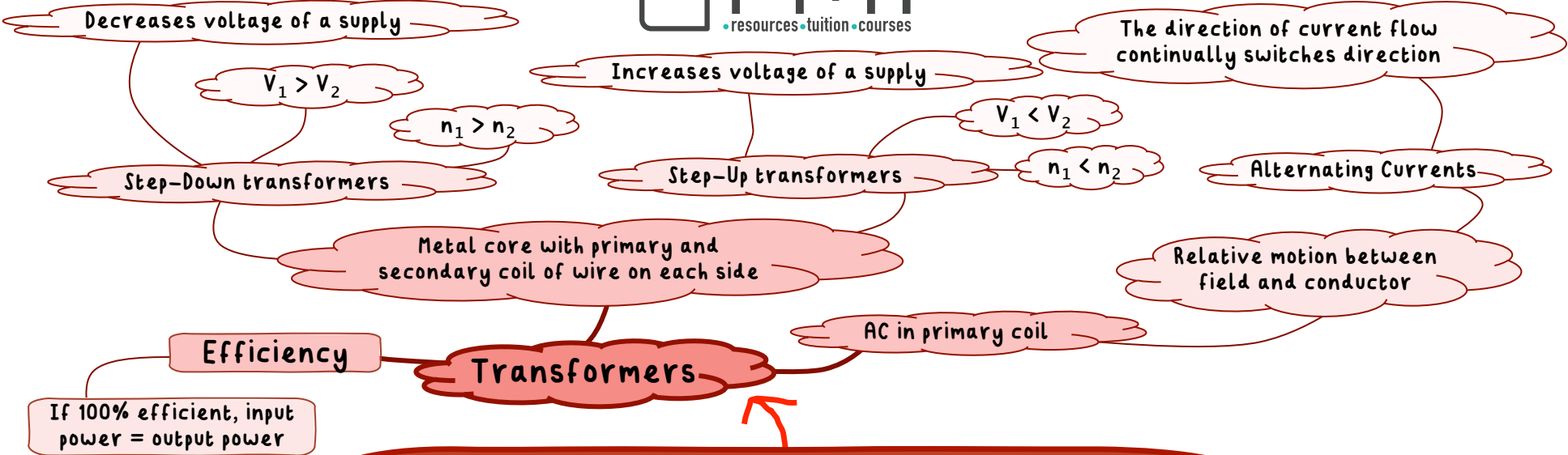
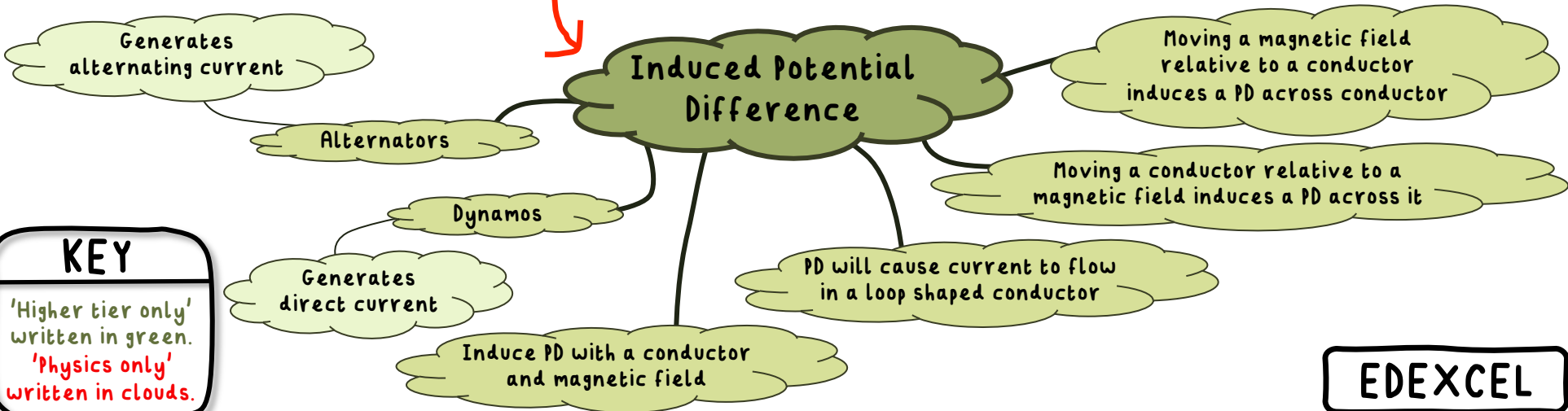


# 13.1: ELECTROMAGNETIC INDUCTION

## Transformers



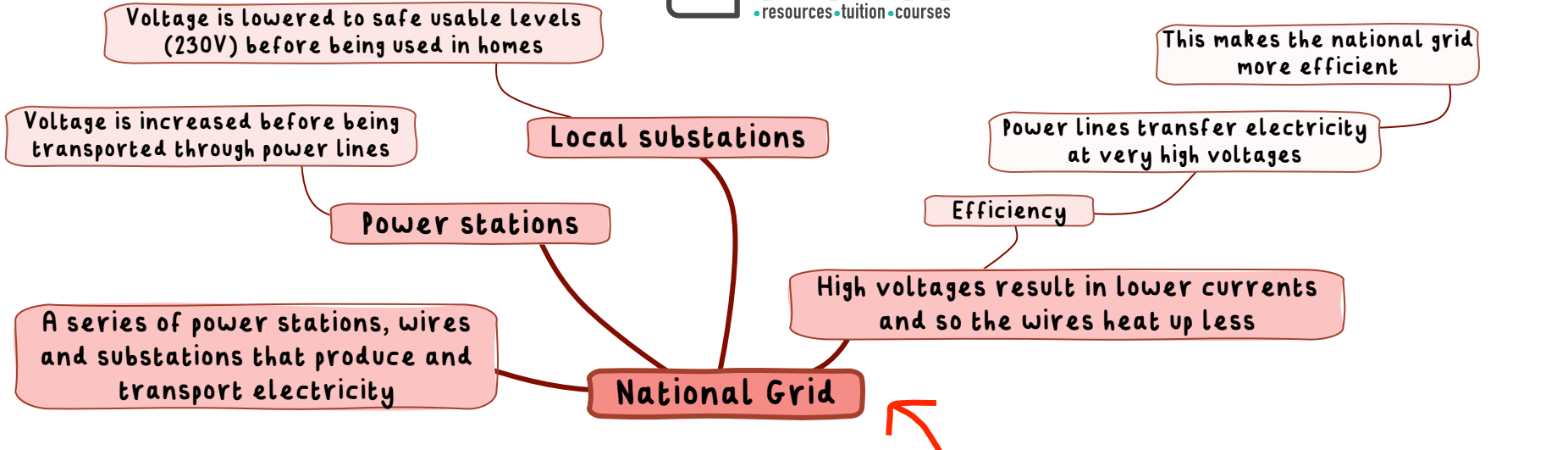
## Induced Potential Difference



**KEY**  
'Higher tier only' written in green.  
'Physics only' written in clouds.

**EDEXCEL**





## 13.2: ELECTROMAGNETIC INDUCTION

### Loudspeakers

A cone with wire wrapped around it, connected to an AC power supply and placed in a permanent magnetic field

Current flows through wire, creating a second magnetic field

This interacts with the permanent field, producing a force which vibrates the cone

### Microphones

Use the generator effect to turn vibrations in the microphone coil (caused by the pressure variations of sound) into current variations in a circuit

EDEXCEL

