

# Why do we get Lightning?





[https://www.youtube-nocookie.com/embed/yBBVSTBLRNk?autoplay=1&iv\\_load\\_policy=3&loop=1&modestbranding=1&playlist=yBBVSTBLRNk](https://www.youtube-nocookie.com/embed/yBBVSTBLRNk?autoplay=1&iv_load_policy=3&loop=1&modestbranding=1&playlist=yBBVSTBLRNk)

**Have you ever walked  
across a carpet in your socks..**

**and then you touched  
the door handle?**



**When you rub your feet on the carpet you are building up static electricity.**

**Anytime you rub two things together, you buildup static electricity.**



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**Air on the earth gets heated by the sun.**

**But it does not heat evenly.**

**Over the oceans it heats slowly**

**Over land it heats fast.**



**The air over the  
ocean is cold**

**What do  
you think  
happens  
here?**



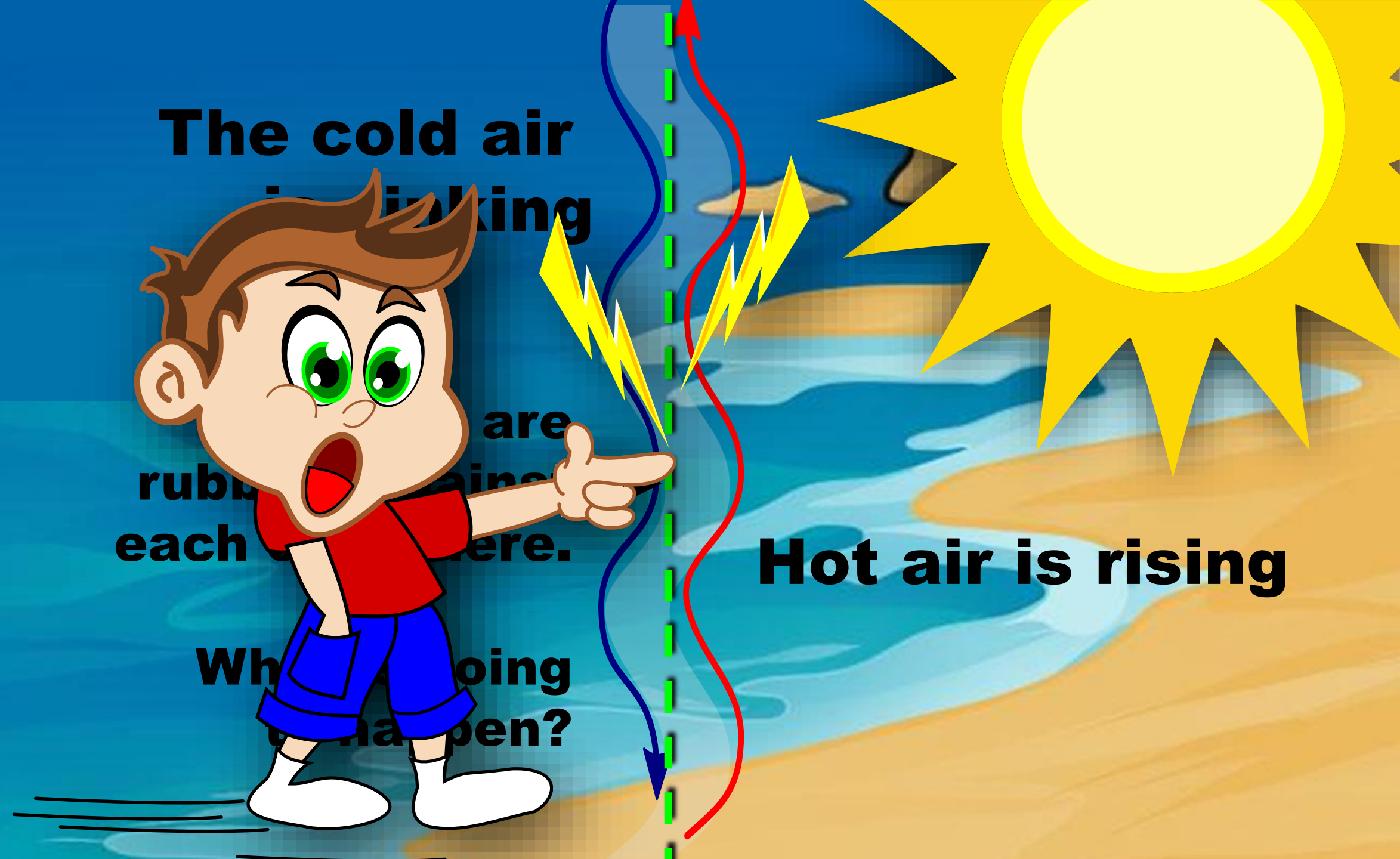
**The air over  
the land is hot**

**The cold air**  
**is sinking**

**are**  
**rubbed**  
**each**  
**side**  
**here.**

**What**  
**is**  
**going**  
**to**  
**happen?**

**Hot air is rising**





**The air does  
not need to be  
wearing socks!**



**As long as they  
are rubbing  
against each  
other, they will  
create static  
electricity**

**Static in the air is called lightning.**



**But do not  
play with  
lightning  
It is much  
much  
stronger  
than static  
from your  
socks!**

