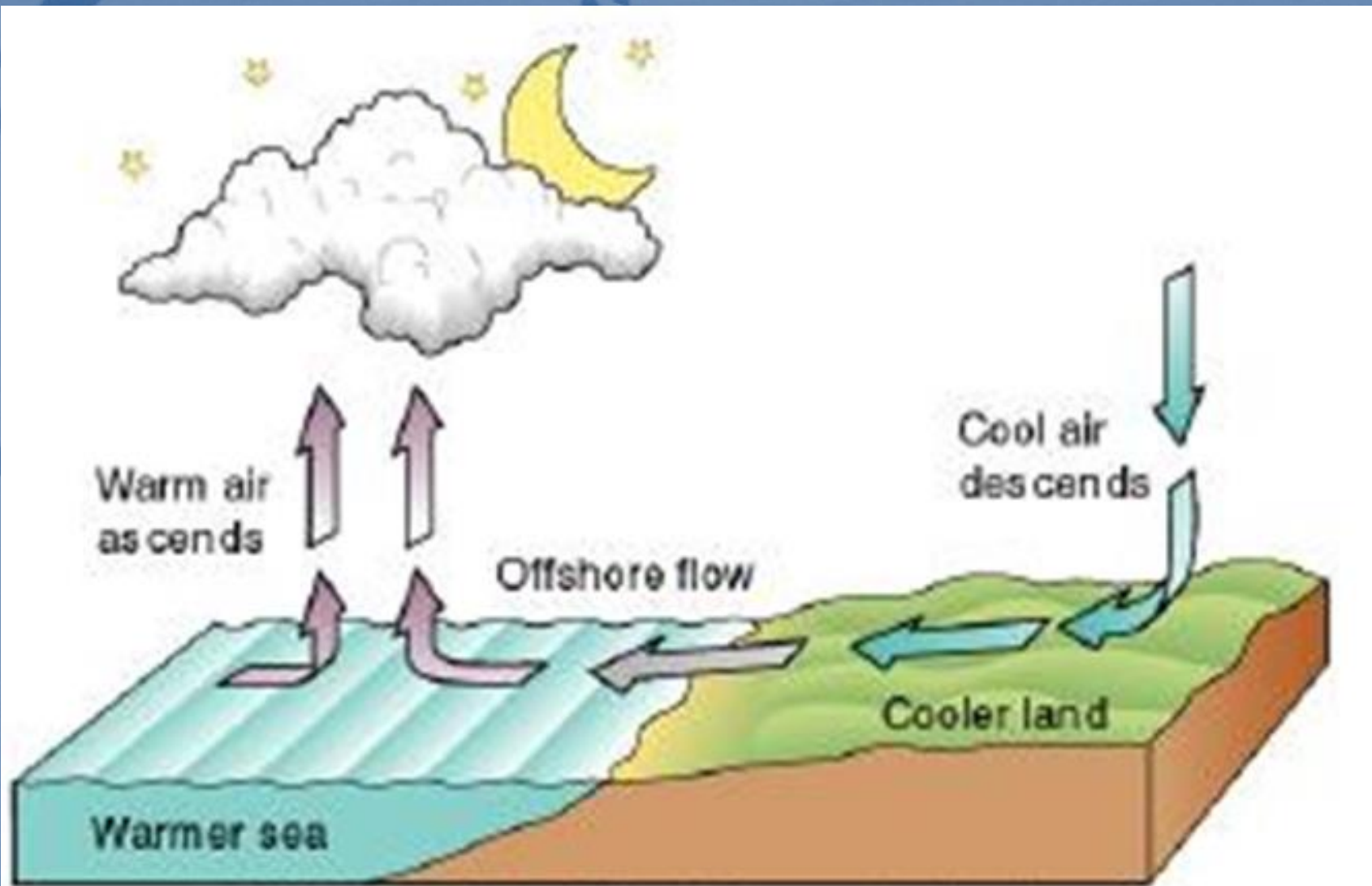


Weather & Climate #6 Review

I can explain how the differences in surface temperature, due to the different heating and cooling rates of water and soil, affect the temperature and movement of the air above.

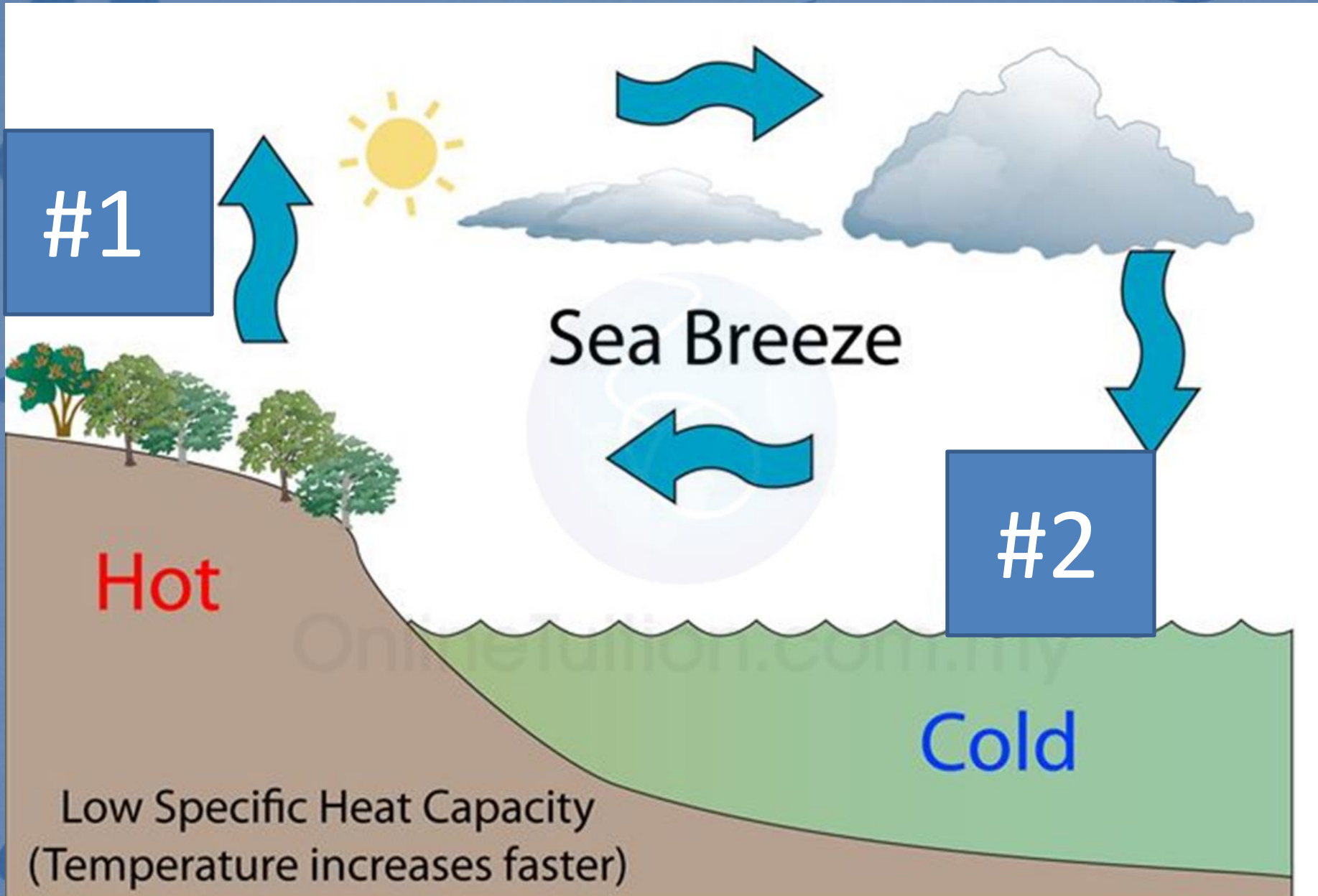
In a low pressure system, which direction does the air move?

- Up



During a sea breeze which direction does the cool air blow?

- From the sea towards the land



#1

Sea Breeze

#2

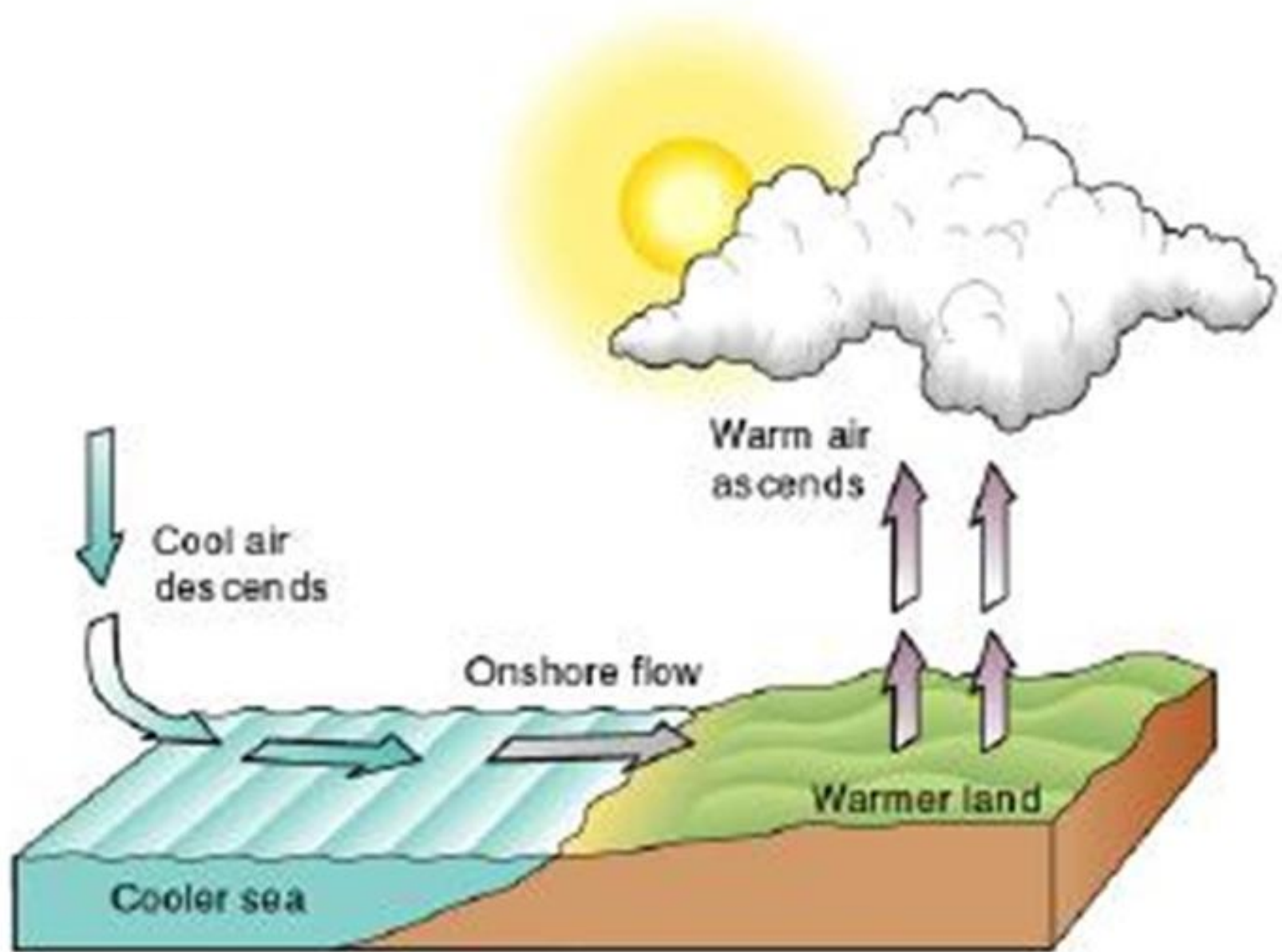
Hot

Cold

Low Specific Heat Capacity
(Temperature increases faster)

During a land breeze which direction does the cool air blow?

- From the land towards the sea



In a high pressure system which direction does the air move?

- Down; towards the surface of the Earth



#1



Cold

Land Breeze

#2

Hot

Low Specific Heat Capacity
(Temperature drops faster)



What is the name of a wind that blows over short distances?

Clue: there are two types: sea breeze and land breeze.

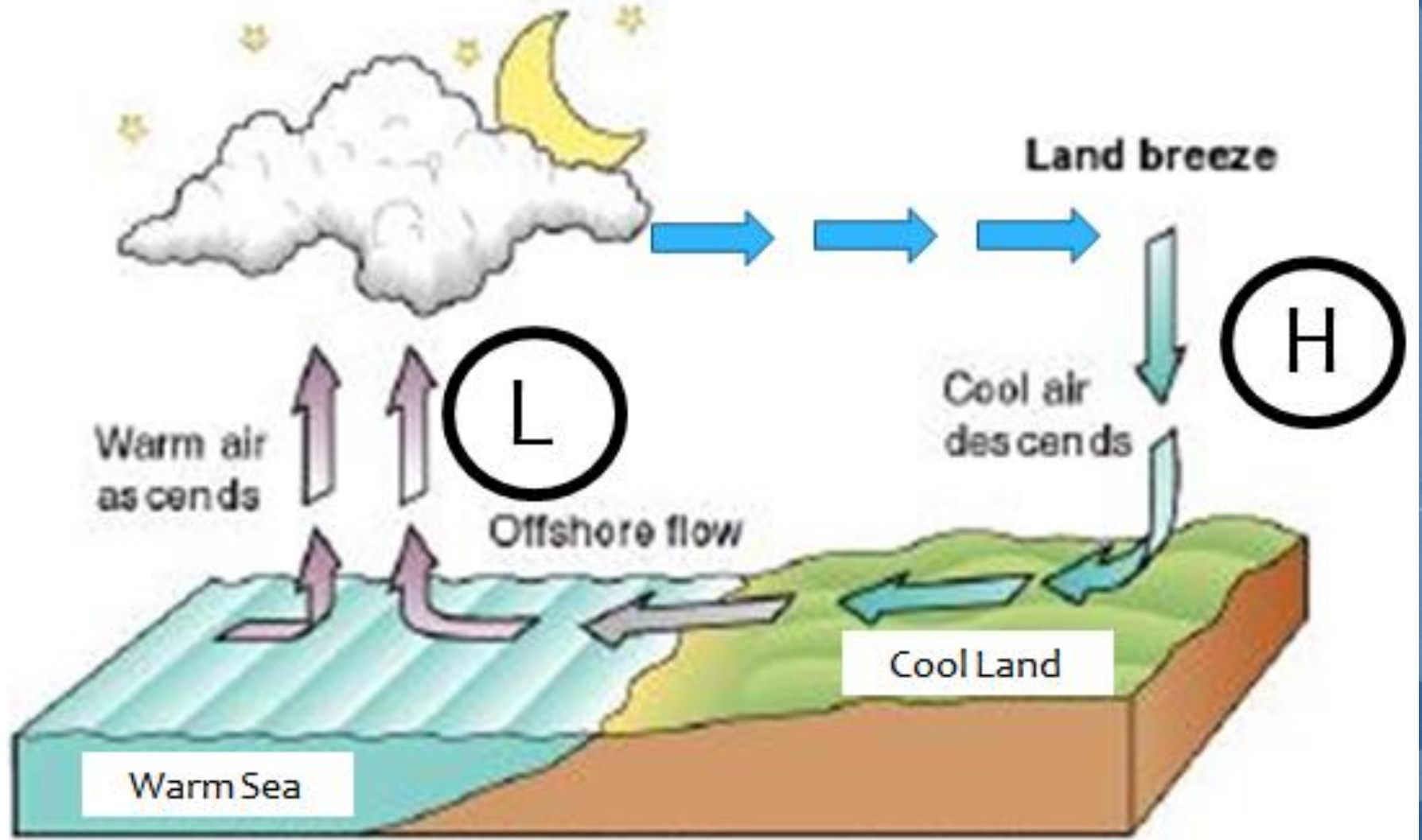
- Local winds

Does a sea breeze occur during the day or night?

- Day

Draw a land breeze

- **Picture should include labels for:**
 - Low and high pressure
 - Hot and cold air
 - Land and sea
 - Arrows showing wind direction
 - Show whether it is day or night



Draw a Sea Breeze

- **Picture should include labels for:**
 - Low and high pressure
 - Hot and cold air
 - Land and sea
 - Arrows showing wind direction
 - Show whether it is day or night

