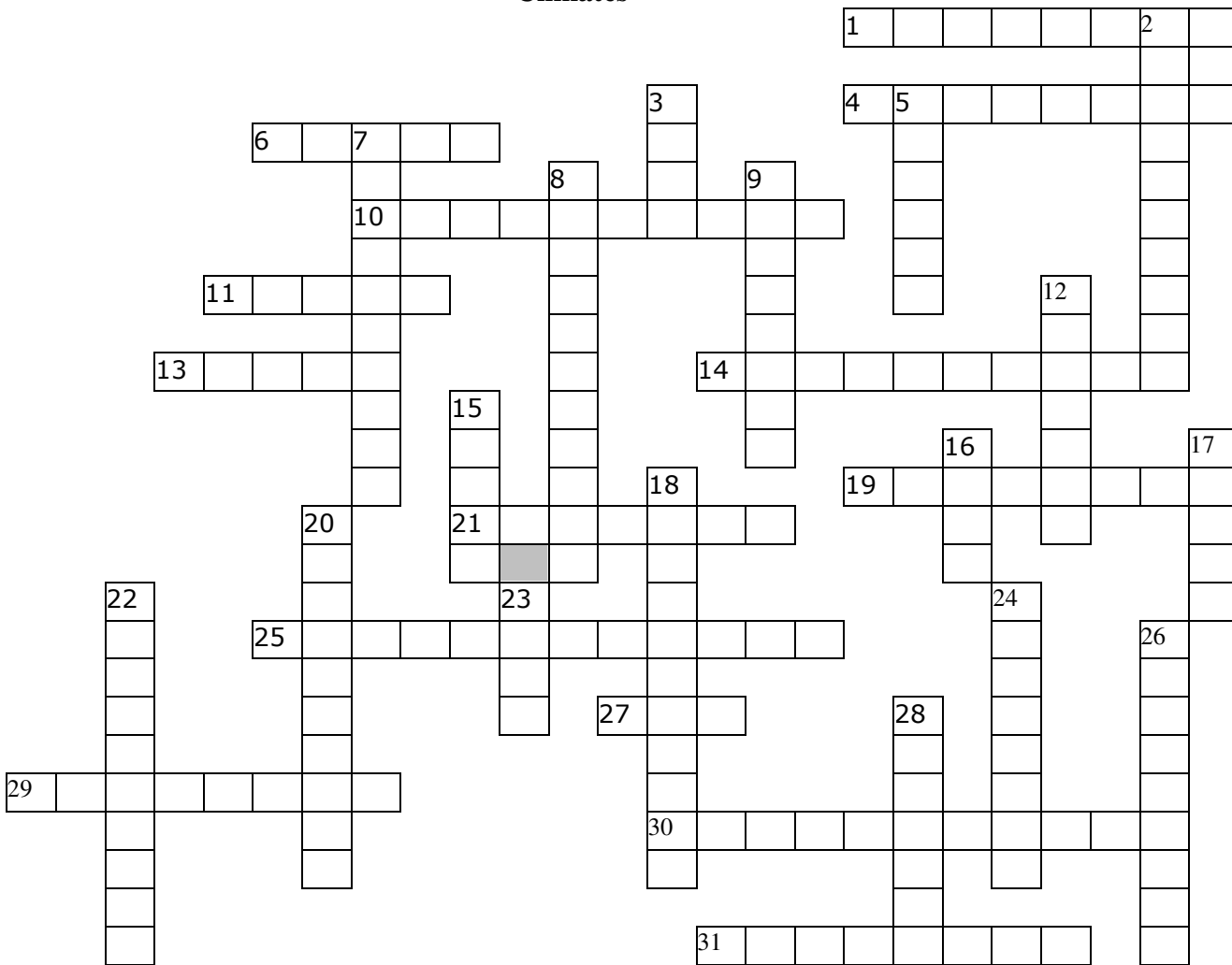


## Climates



### Across

1. a winter time when the lowest angle of insolation is reached
4. a brief time lag is associated with arid land and high \_\_\_\_
6. in this climate the water table is usually high throughout the year
10. the groundwater zone where all spaces are filled with water
11. the circulation of water among the atmosphere, land and oceans
13. objects that are ---- colored and smooth are poor absorber of insolation
14. it happens when a hot substance comes into contact with a cooler substance
19. the groundwater zone between the surface and the water table
21. on this side of a mountain range the climate is dry and warm
25. the ability to transmit water
27. the time delay between maximum precipitation and maximum stream discharge
29. the \_\_\_\_ of insolation is the length of time that the sun appears in the sky
30. a type of material that allows good penetration of insolation
31. the percentage of empty spaces in a certain volume

### Down

2. density currents within a medium
3. a form of energy that can do work
5. occurs when rainfall exceeds the permeability rate of a soil
7. the sun's electromagnetic energy that reaches the earth
9. water passing through the ground
12. during the winter, in southern Asia, a high pressure forms over the continent with winds blowing south to the Indian Ocean
15. atmospheric conditions measured over a long time for a large region
16. the boundary between the zone of aeration and zone of saturation
17. in this climate the water table is usually low
18. the \_\_\_\_ of insolation differs with latitude and seasons.
20. the ability of a soil to draw water up-ward through tiny spaces
22. carbon dioxide, water and methane are \_\_\_\_\_ gases
23. a drainage basin
24. objects that are \_\_\_\_ colored and rough are good absorber of insolation
26. on this side of a mountain range the climate is moist and cool
28. the flow of electromagnetic energy from all sides
30. in this region sun rays strike the Earth vertically at some point every day