1. Within the ocean are species yet to be discovered, cures for \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_, and the keys to the weather.

2. There’s really only one ocean, one great body of saltwater covering \_\_\_\_\_\_\_\_\_\_ of the Earth’s surface.

3. Water has been here ever since the \_\_\_\_\_\_\_\_\_ has been here.

4. It goes into the ocean, it evaporates, it rains, it \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_.

5. If you look at a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, there’s these big clouds of smoke and steam and a lot of that is \_\_\_\_\_\_\_\_\_\_\_, it’s coming from the ground.

6. Currents, tides, and waves are forces constantly at work keeping the Earth’s global system \_\_\_\_\_\_\_\_\_\_\_.

7. The function of the atmosphere and the oceans is to move that \_\_\_\_\_\_\_\_\_\_ northward to kind of even things out.

8. The ocean’s ability to circulate heat around the planet moderates our \_\_\_\_\_\_\_\_\_\_\_.

9. In an El Nino year, the trade winds that generally blow westbound \_\_\_\_\_\_\_\_\_\_\_\_.

10. They knew the winds and the waves and the currents so well, they actually could navigate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of miles across, what we would call crackles wastes.

11. It was alive with waves, its creatures, its clouds, its \_\_\_\_\_\_\_\_\_\_.

12. We are most familiar with the currents at the surface. They are concentrated, wind driven streams of water as much as \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ wide, which flow through the ocean, but there are currents at all \_\_\_\_\_\_\_\_\_\_\_ in the ocean.

13. Some flow sluggishly along the sea \_\_\_\_\_\_\_\_\_\_\_.

14. The mid-depth currents can travel in complex patterns at about \_\_\_\_\_\_\_\_\_\_ feet down.

15. Surface currents move the fastest affecting only the first \_\_\_\_\_\_\_\_ feet.

16. Currents circulate heat, water, \_\_\_\_\_\_\_\_\_\_\_\_\_ and anything else that happens to fall in.

17. The flow of currents, winds and weather systems are altered by the spin of the earth, this is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ effect.

18. In the Northern Hemisphere, the Earth spins the water to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_, and in the Southern Hemisphere, the Earth spins the water to the \_\_\_\_\_\_\_\_\_\_ as it moves.

19. The Earth’s rotation deflects the \_\_\_\_\_\_\_\_\_\_ current.

20. Studying currents can be used to determine where an \_\_\_\_\_\_\_ spill will wash ashore or to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to find where objects come from.

21. The largest circulation pattern on Earth begins at the \_\_\_\_\_\_\_\_\_\_ where cold water \_\_\_\_\_\_\_\_\_\_\_\_.

22. Deep water currents circulate for the same reason that ice floats. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is most dense right before it freezes.

23. To form a more complete map, and underwater robot called ALACE is programmed to descend \_\_\_\_\_\_\_\_\_\_\_\_ feet and chart mid-depth currents.

24. ALACE is just a little heavier than the \_\_\_\_\_\_\_\_\_\_\_\_\_ seawater, so it sinks until it is balanced by \_\_\_\_\_\_\_\_\_\_\_\_\_ water below.

25. Where the carbon dioxide goes, as we’re producing more carbon dioxide by burning, some of it is accumulating in the atmosphere, but a lot of it is going into the \_\_\_\_\_\_\_\_\_\_\_\_.

26. Wind is air in motion. As it hits the ocean’s surface, it bends water into waves, pushes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and fills sails.

27. Day in, day out, they’ll 20 miles an hour and they really push hard on you. Those are pretty \_\_\_\_\_\_\_\_\_\_\_\_ persistent winds.

28 Winds are created by the sun’s \_\_\_\_\_\_\_\_\_\_\_.

29. When one part of the world is warmer than another, a difference in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is created.

30. As the hot air rises, the \_\_\_\_\_\_\_\_\_\_ air flows in across the Earth’s surface to replace it. This movement is \_\_\_\_\_\_\_\_\_\_\_.

31. This movement is a basic law underlying \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

End 23:00