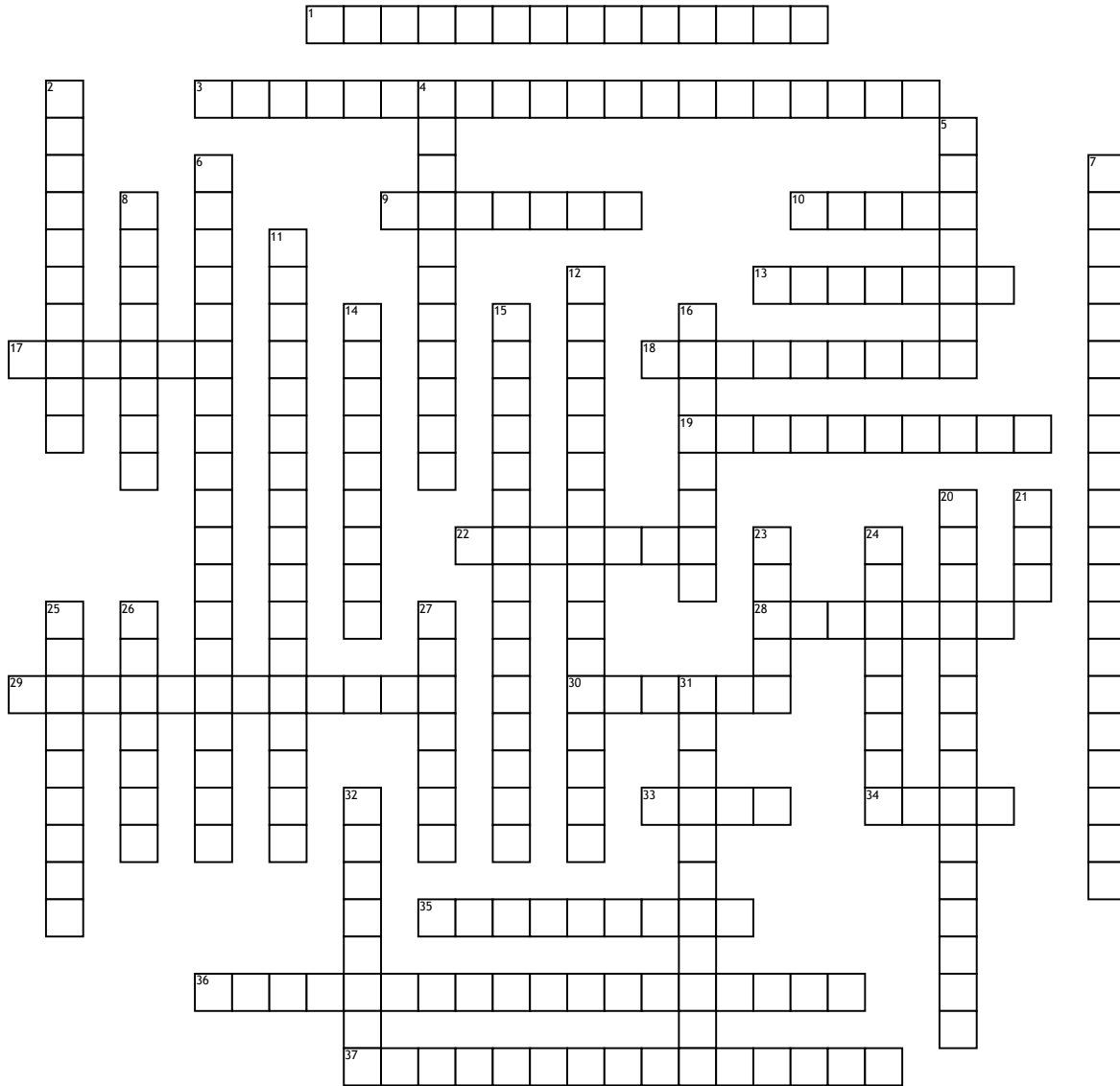


Name: _____

Chapter 2 Vocabulary



Across

1. farmers plow their fields along the curves of a slope
3. the type of weathering in which rock is physically broken into smaller pieces
9. the solid layer of rock beneath the soil
10. a dark-colored substance that forms as plant and animal remains decay
13. a solid made up of particles that line up in a pattern that repeats over and over again
17. as plants shed leaves, they form a loose layer called

18. a material that is full of tiny, connected air spaces that allow water to seep through it
19. process that splits rock when water seeps into cracks, then freezes and expands
22. the transportation of sediment by wind, water, ice, or gravity
28. consists of clay and other particles washed down from the A horizon, but little humus
29. a farmer plants different in a field each year
30. a substance that reacts strongly with some metals and changes blue litmus paper red
33. the loose, weathered material on Earth's surface in which plants can grow
34. soil that is made up of equal parts of clay, sand, and silt

35. iron combines with oxygen in the presence of water through this process

36. the process that breaks down rock through chemical changes

37. anything in the environment that humans use

Down

2. the process that breaks down rock and other substances at Earth's surface
4. a type of rock that forms from the cooling of molten rock at or below the surface
5. a tool used to measure how acidic or basic something is, pH of 0 = highly acidic, pH of 14 = highly basic, pH of 7 = neutral
6. farmers disturb the soil and its plant cover as little as possible
7. one that is not replaced in a useful time frame
8. an ore is mixed with other substances and then melted to separate the useful metal from other elements the core contains
11. a principle that states that the same processes that operate today operated in the past
12. the management of soil to prevent its destruction
14. series of processes on & beneath Earth's surface that slowly change rocks from one kind to another
15. rock that forms when a rock is changed by heat, pressure, or chemical reactions

16. is small, solid pieces of material that come from rocks or living things

20. a type of rock that forms when particles from other rocks or the remains of plants and animals are pressed and cemented together

21. thick mass of tough roots at the surface of the soil
23. a substance that feels slippery and changes red litmus paper blue

24. the area of the Great Plains where wind erosion caused soil loss during the 1930's

25. a measure of how well soil supports plant growth

26. a crumbly, dark brown soil that is a mixture of humus, clay, and other minerals

27. a natural inorganic solid with a crystal structure and definite chemical composition

31. organisms that break the remains of dead organisms into smaller pieces and digest them with chemicals

32. the grinding away of rock by rock particles carried by water, ice, wind, or gravity