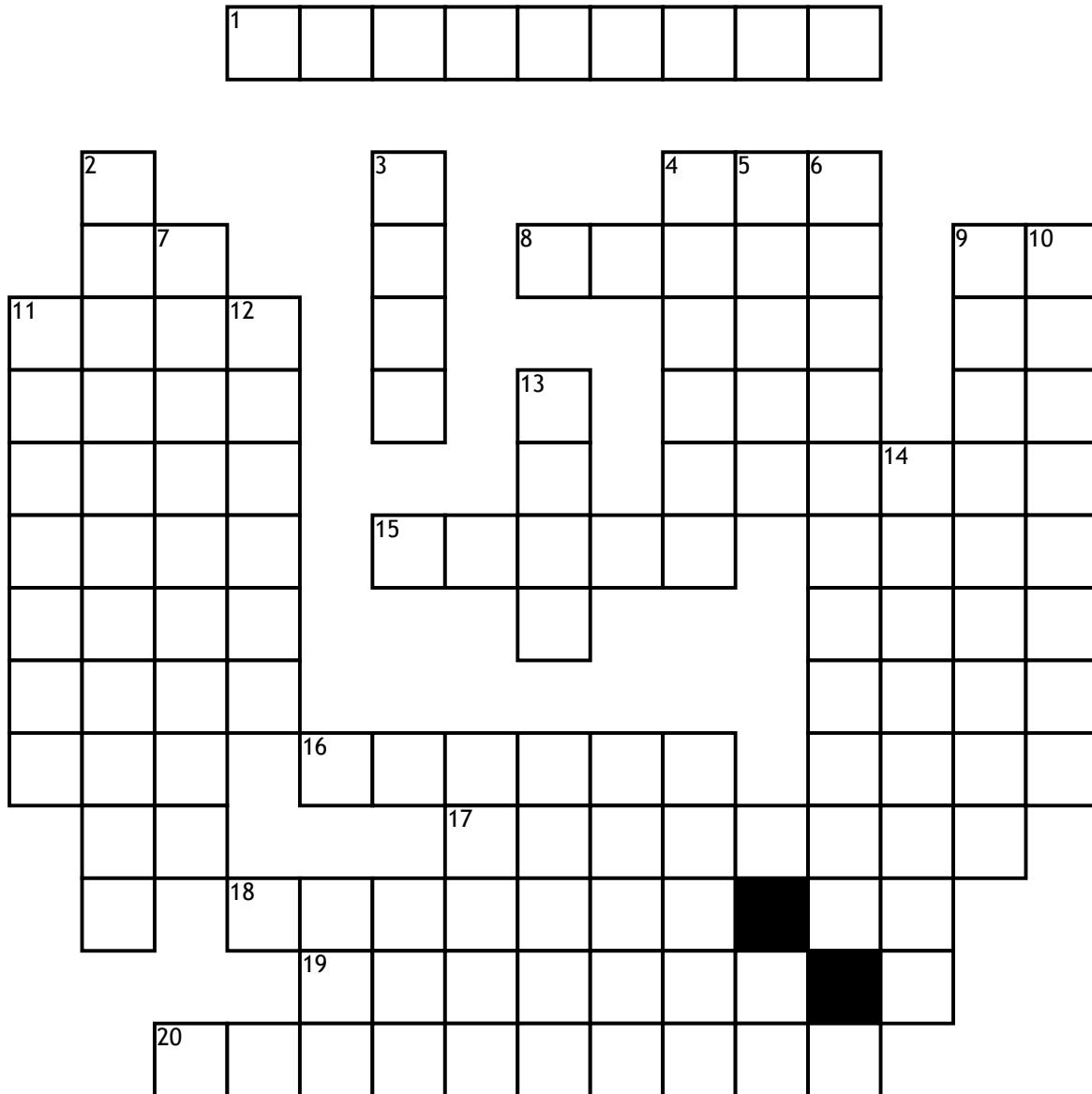


Name: _____

Date: _____

Rocks and Properties



Across

1. This type of igneous rock is made when lava cools on the Earth's surface.

8. Particles in this rock are clay minerals mixed with tiny grains of quartz eroded from pre-existing rocks.

15. Is formed when fine-grained sedimentary rock is buried and exposed to high pressure deep beneath the Earth's surface.

16. This is soft, and white from limestone.

17. rich in plagioclase feldspar minerals and may contain biotite, pyroxene, or amphibole.

18. This rock is formed when lava cools and hardens.

19. They formed from chemical reactions that combined iron and oxygen in marine and fresh waters. The two most important minerals in these deposits are iron oxides: hematite (Fe₂O₃) and magnetite (Fe₃O₄).

20. A family rich in silicate, magnetism, and water. The colors are usually light to dark green.

Down

2. This rock is made on the Earth's surface. Also layers build up over time.

3. The Earth's crust is made up of _____.

4. It is composed primarily of the mineral calcite (CaCO₃) and usually contains other minerals, such as clay minerals, micas, quartz, pyrite, iron oxides, and graphite.

5. Hard sedimentary form of the mineral quartz.

6. This rock is made under heat and pressure.

7. This is a type of igneous rock that is made below the Earth's surface.

9. Can be shelly but isn't always. The colors for it are yellow, light gray or dark grey.

10. The colors for this rock are black. It's also an extrusive igneous rock. It's very glossy.

11. The colors for _____ are white, pink, or gray in color, depending on their mineralogy containing potassium feldspar, plagioclase feldspar, quartz, and biotite and/or amphibole.

12. Identified by its bands and lenses of varying composition, while other bands contain granular minerals with an interlocking texture. Durable enough to perform well as a dimension stone.

13. Forms from the accumulation and preservation of plant materials, usually in a swamp environment.

14. Minerals are arranged in strips or bands.