

Name: _____ Date: _____ Per: _____



JOURNEY TO THE CENTER OF THE EARTH - COMIC STRIP PROJECT

ASSIGNMENT: Based on what you have learned about the structure of the Earth, create a comic strip story that takes readers on a fun, but informative, journey to the center of the Earth! Below is an outline that describes the basic characteristics of each layer.

THE CRUST - 1ST LAYER OF THE EARTH

- Outermost & thinnest layer (where we live), less than 1% of Earth's volume
- Only about 3-5 miles (8 kilometers) thick under the oceans (oceanic crust) and about 25 miles (32 kilometers) thick under the continents (continental crust)
- Composition: made of plates on which the continents and oceans rest
- Made up of several elements: mostly Oxygen (47%), Silicon (27%), Aluminum (8%), Iron (5%)

THE MANTLE - 2ND LAYER OF THE EARTH

- Largest layer of the Earth (85% of Earth's weight)
- Roughly 2,900 kilometers (1,802 mi) thick
- Primarily solid but some parts may be capable of being reshaped (like play dough)
- Composed mostly of Silicate rocks rich in magnesium and iron
- The hot material (magma) in the mantle rises to the top, cools, then sinks, reheats, and rises again. These convection currents cause changes in the Earth's surface such as earthquakes and volcanic eruptions.

THE OUTER CORE - 3RD LAYER OF THE EARTH

- Roughly 2,300 km (1,400 mi) thick
- Composed of mostly molten (liquid) Iron and Nickel
- Fluid layer that moves around the inner core. This flow of liquid generates electric currents, which produces Earth's magnetic field

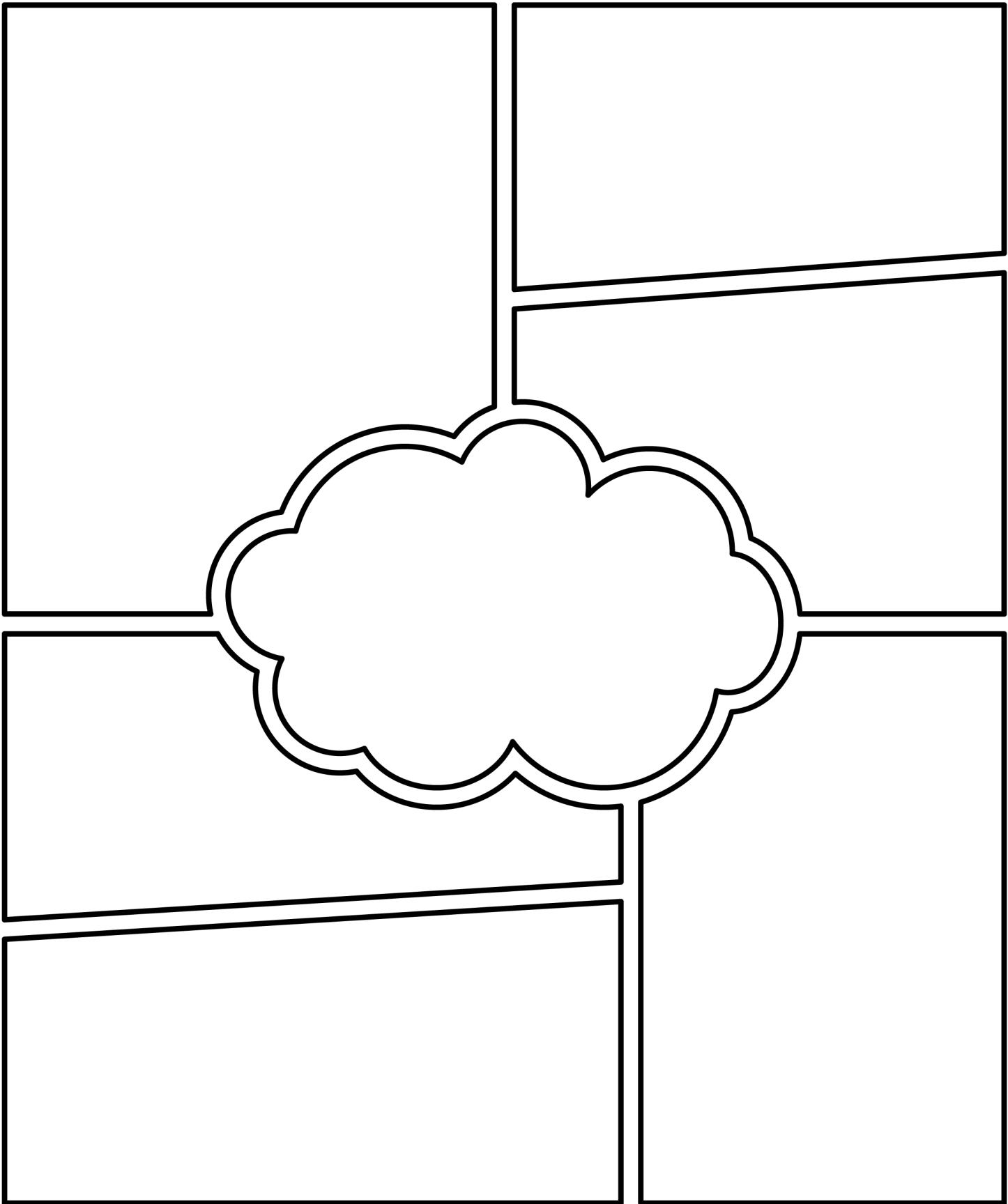
THE INNER CORE - 4TH LAYER OF THE EARTH

- Roughly 1,220 km (760 miles) thick
- Solid ball made of metal (mostly iron)
- Hottest layer - as hot as the sun, estimated at 6,000 Celsius (10,800 Fahrenheit)

COMIC EXPECTATIONS

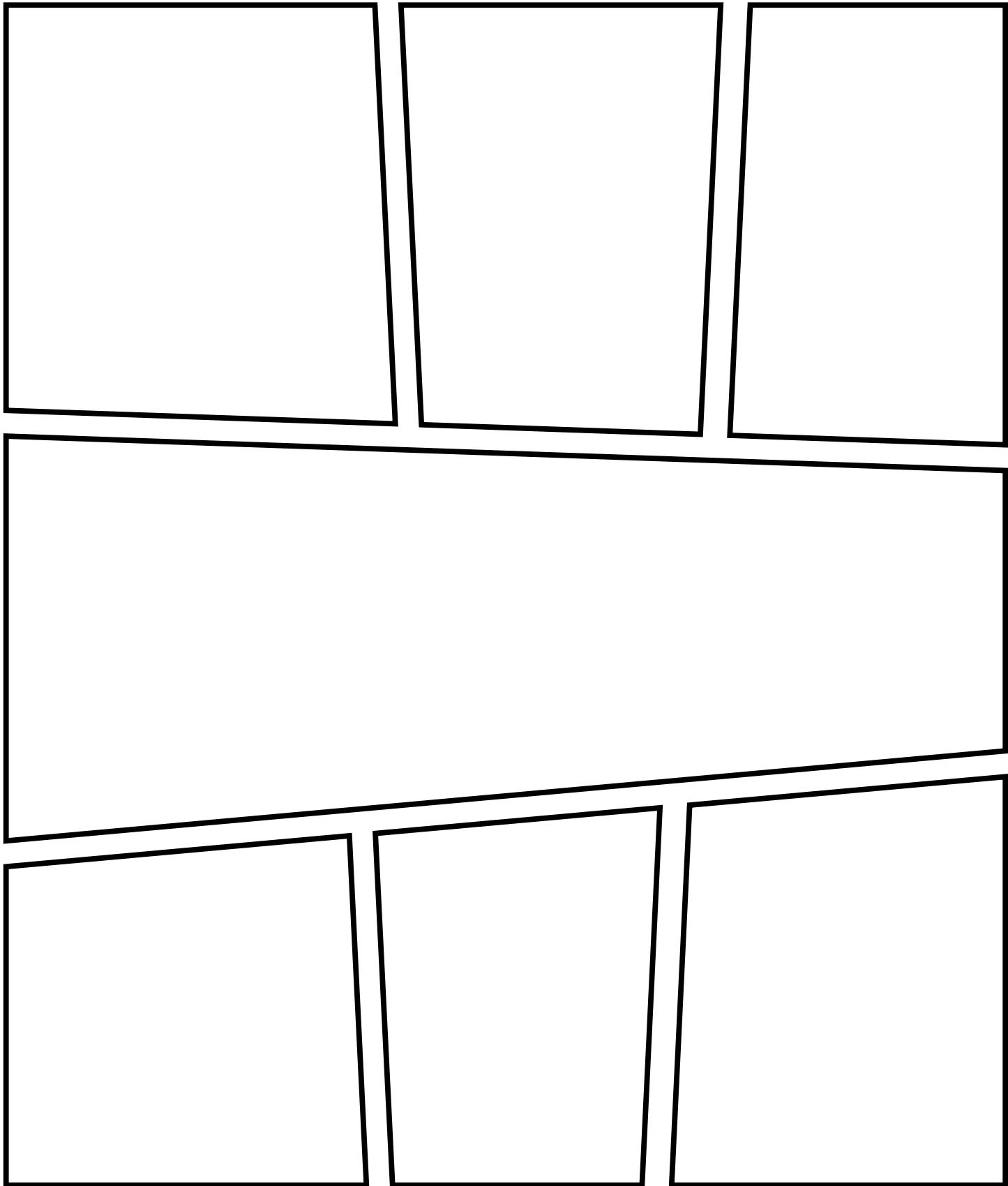
- Your comic should take the reader on an fun and interesting journey to the center of the Earth! You will begin on Earth's crust and navigate deep into the Earth's inner core.
- Your comic panels must include a caption that tells the reader where you are at in your journey. For example, your first caption could be "Earth's Crust – It's More than Just a Bunch of Dust," or any fun comic-style title of your choice that fits the description.
- Your comic must contain illustrated scenes and dialogue, within comic bubbles, that match your storyline. Your illustrated scenes should be labeled where appropriate. For instance, during your journey, you should label the layers of the Earth as well as any other important features you encounter.
- Proper spelling and grammar should be used and all wording should be legible (easy to read).
- Your comic should be neat and colorful. Sorry, no stick figures allowed!
- Be creative! Tell your story in a fun comic-style fashion. You should create a comic character to match your story. For example, you could take the role of a scientist, a teacher, a submarine captain, or any other fun character that you can link to your storyline. ☺

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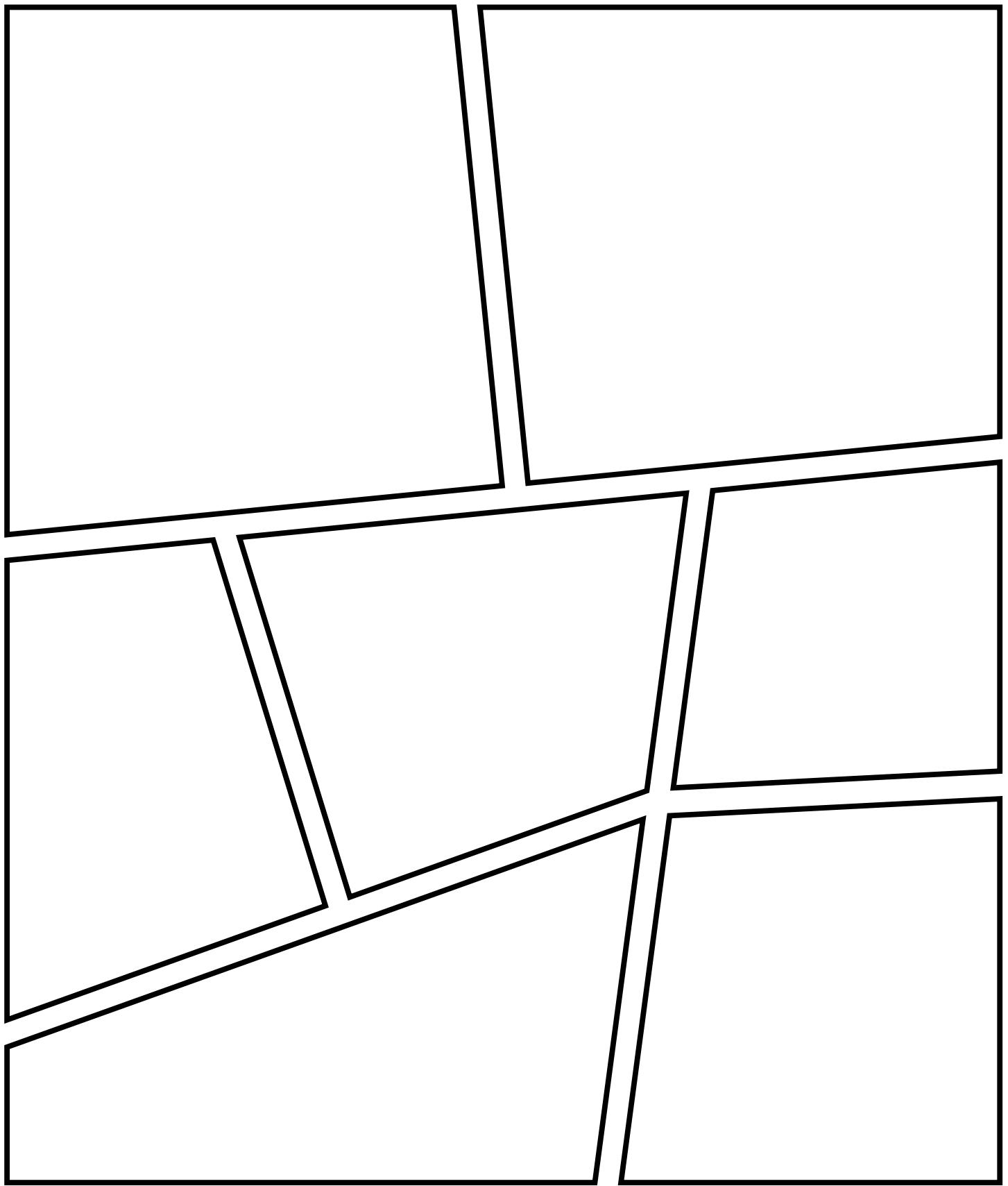
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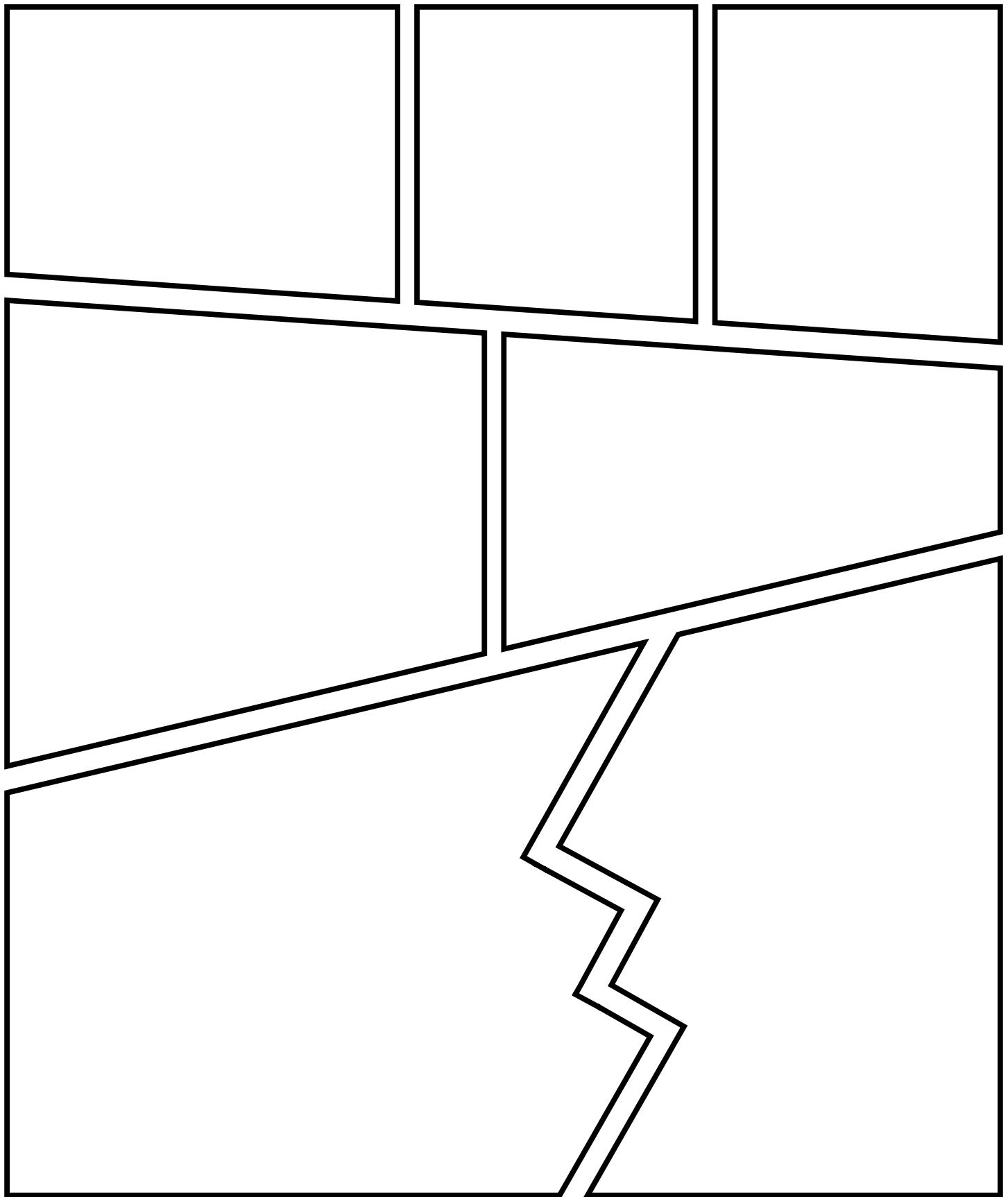
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