

## Earth Facts "Fortune Teller" Directions:

- Cut along the black dashed lines and flip over the paper to see the blank side.
- Take the bottom left corner of the square and fold the paper so it meets the top right corner and crease. Unfold and repeat steps for bottom right corner.
- You will now have a large crease of an X starting from each corner and meeting in the center of the square.
- Fold each corner of the square in toward the center of the X and crease. Try to avoid overlaps and do not unfold.
- Flip over the square and fold each corner toward the center to meet at the black star and crease heavily. Again avoid overlapping sides and do not unfold.
- Flip over again so you see the color squares only and fold the square in half along the middle so it makes a rectangle. Unfold and repeat for the other direction.
- While still folded as a rectangle, put your fingers into the opening between the colors and slide your fingertips to the outer corners of each color. Bring all your fingers together and this will cause the paper to fold in, and you are finished!

**1** weather

Try to keep your cool!

Unlike the hottest recorded surface temperature on Earth from 1913 in Death Valley, CA, of 134°F!

**2** the sun

You are a bright star that helps others shine!

When the sun ejects solar flares from sunspots the radiation can cause an aurora here on Earth.

**3** magnetic field

You will get lost in the near future!

Since 1831, the north magnetic pole has drifted over 1400 miles.

**4** ocean floor

You still have a lot to learn!

More than 80% of the ocean is unexplored and unmapped. The goal is to have the entire ocean floor mapped by 2030.

**5** ocean acidification

Don't take on too much!

The ocean absorbs up to 31% of the excess carbon dioxide emitted by the burning of fossil fuels and this negatively affects coral reefs and shellfish.

**6** earthquakes

Try to shake up things up!

The largest earthquake ever measured was in Maullin, Chile, on May 22, 1960. The 9.5 magnitude earthquake triggered a tsunami that traveled as far as the Philippines.

**7** droughts

Prepare for some dry conversations!

Drought is the second costliest weather disaster in the United States behind hurricanes and incurs an average cost of 9.6 billion dollars per event.

**8** climate

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