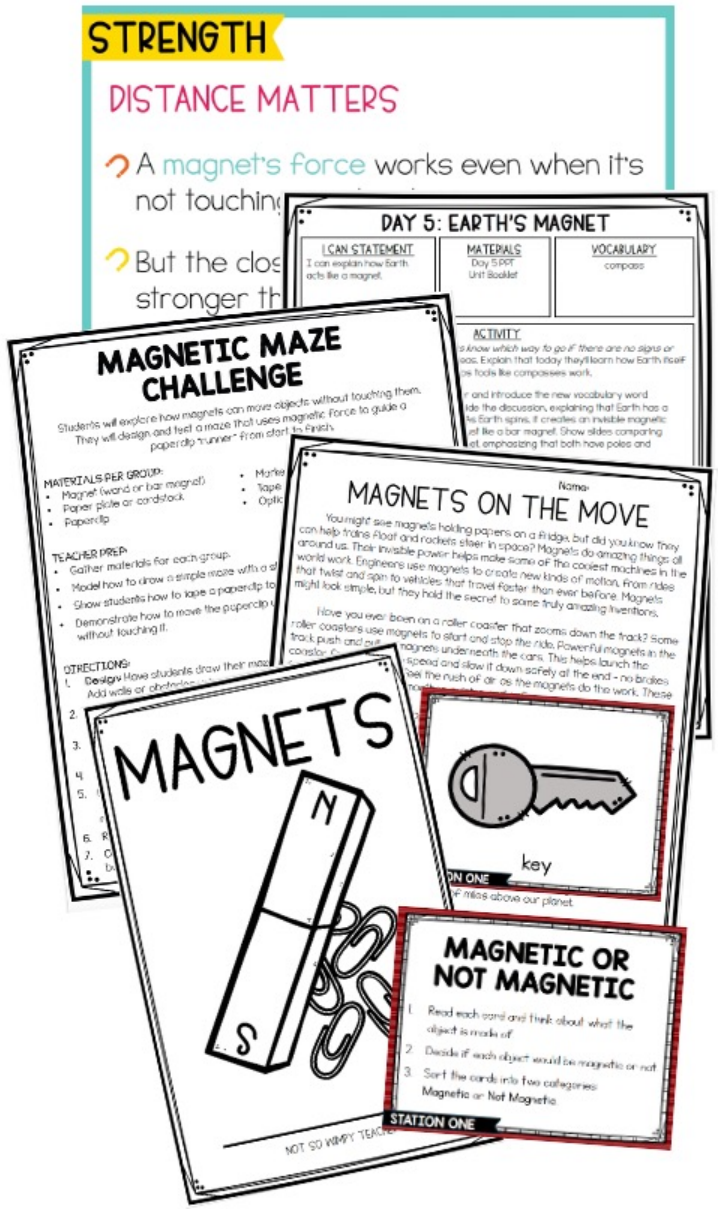
What's Included

- ✓ 4 instructional PowerPoints
- ✓ Reading passage
- ✓ 9 vocabulary cards
- ✓ 20 task cards
- ✓ Booklet with an activity for each day
- ✓ Magnet stations with magnetic or not cards, matching & strength test challenge
- ✓ Magnetic Maze STEM activity
- ✓ Assessment



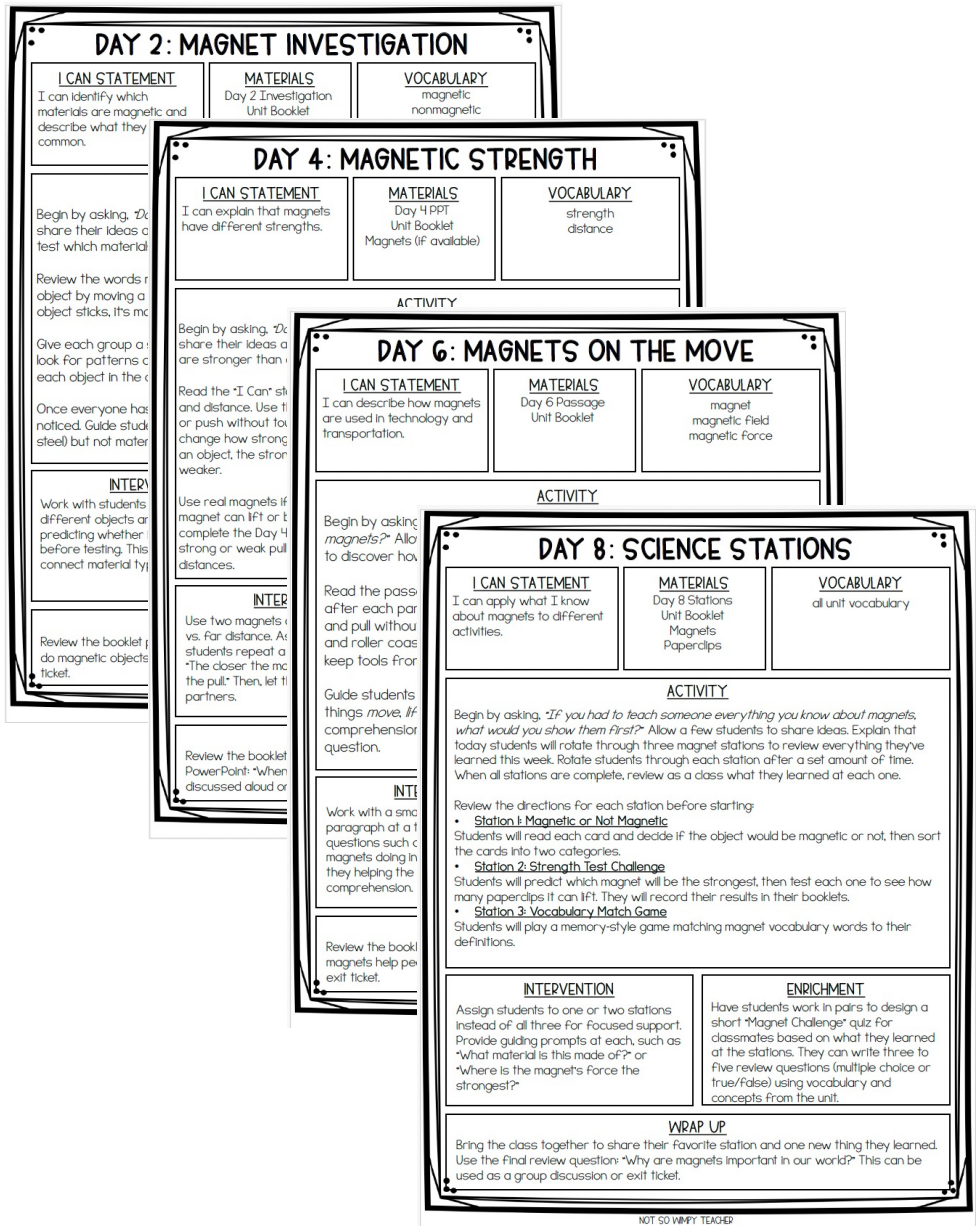
10 Days of Activities

This unit includes four instructional PowerPoints that teach the concept.

Students will practice the skill using guided booklets, reading passages, magnet stations, and task cards.

Vocabulary cards for student reference.

Included unit assessment.



PowerPoint Lessons

MAGNETS

Vocabulary:

Magnetic Force: the invisible push or pull made by a magnet

MAGNETS

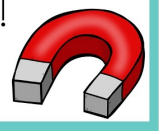
I CAN...

describe what magnets are and what they att

POLES

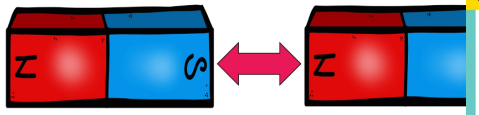
FUN FACT

If you cut a magnet in half each piece still poles!



POLES

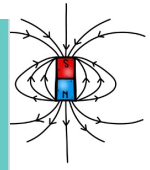
OPPOSITE POLES ATTRACT

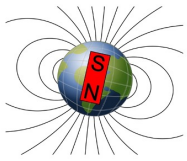


south poles

EARTH'S MAGNET

EARTH VS. BAR MAGNET





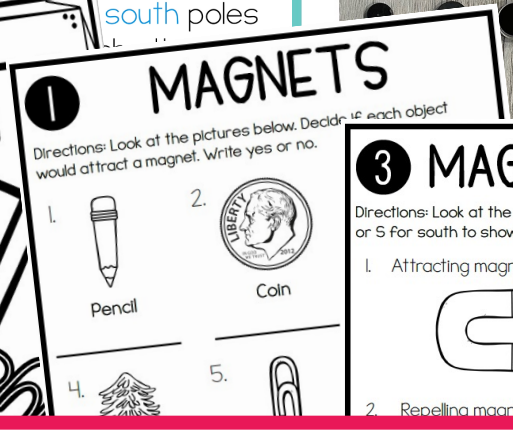
magnet and the Earth both have:
th and South Poles

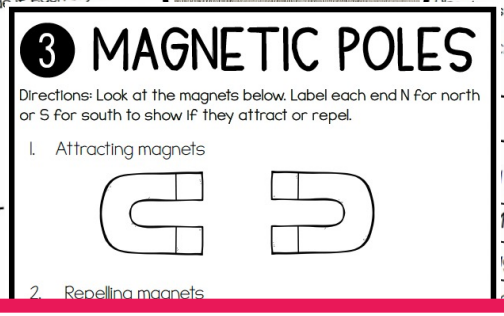
STRENGTH

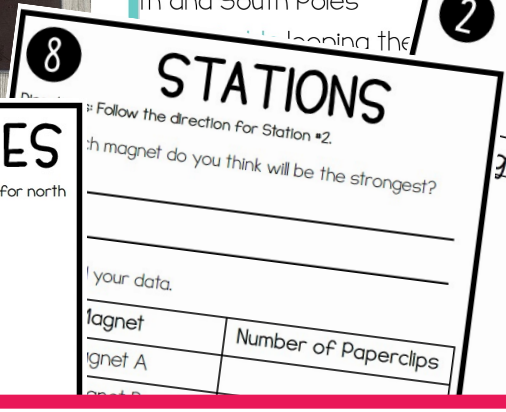
MAGNET STRENGTH







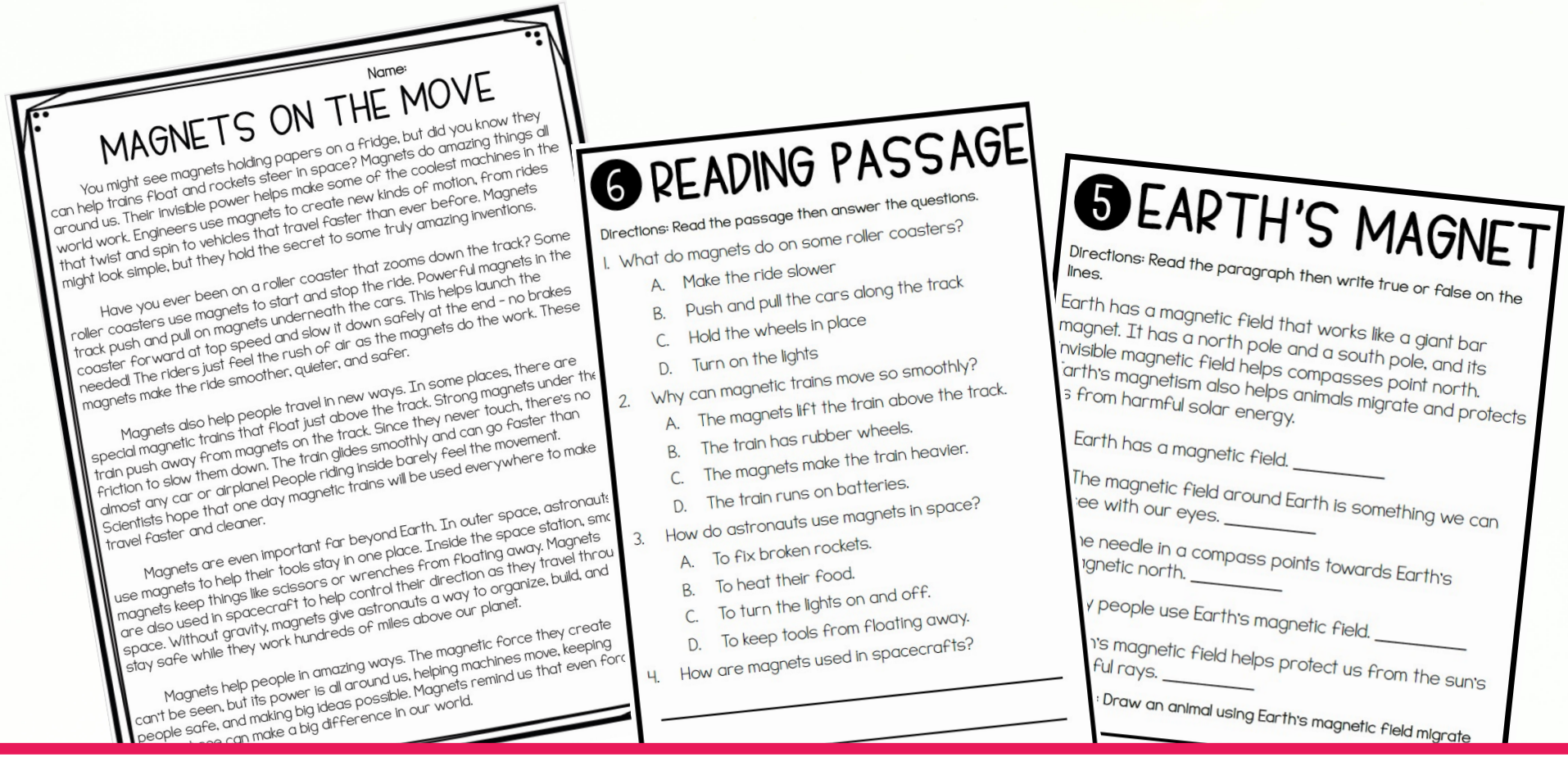






Each lesson is designed to be taught in 30 minutes, with all student work completed in their booklets. You can choose to take a daily grade, completion grade, or grade for accuracy.

Reading Passages



Name:

MAGNETS ON THE MOVE

You might see magnets holding papers on a fridge, but did you know they can help trains float and rockets steer in space? Magnets do amazing things all around us. Their invisible power helps make some of the coolest machines in the world work. Engineers use magnets to create new kinds of motion, from rides that twist and spin to vehicles that travel faster than ever before. Magnets might look simple, but they hold the secret to some truly amazing inventions.

Have you ever been on a roller coaster that zooms down the track? Some roller coasters use magnets to start and stop the ride. Powerful magnets in the track push and pull on magnets underneath the cars. This helps launch the coaster forward at top speed and slow it down safely at the end - no brakes needed! The riders just feel the rush of air as the magnets do the work. These magnets make the ride smoother, quieter, and safer.

Magnets also help people travel in new ways. In some places, there are special magnetic trains that float just above the track. Strong magnets under the train push away from magnets on the track. Since they never touch, there's no friction to slow them down. The train glides smoothly and can go faster than almost any car or airplane! People riding inside barely feel the movement. Scientists hope that one day magnetic trains will be used everywhere to make travel faster and cleaner.

Magnets are even important far beyond Earth. In outer space, astronauts use magnets to help their tools stay in one place. Inside the space station, small magnets keep things like scissors or wrenches from floating away. Magnets are also used in spacecraft to help control their direction as they travel through space. Without gravity, magnets give astronauts a way to organize, build, and stay safe while they work hundreds of miles above our planet.

Magnets help people in amazing ways. The magnetic force they create can't be seen, but its power is all around us, helping machines move, keeping people safe, and making big ideas possible. Magnets remind us that even forces can make a big difference in our world.

6 READING PASSAGE

Directions: Read the passage then answer the questions.

1. What do magnets do on some roller coasters?
   - A. Make the ride slower
   - B. Push and pull the cars along the track
   - C. Hold the wheels in place
   - D. Turn on the lights
2. Why can magnetic trains move so smoothly?
   - A. The magnets lift the train above the track.
   - B. The train has rubber wheels.
   - C. The magnets make the train heavier.
   - D. The train runs on batteries.
3. How do astronauts use magnets in space?
   - A. To fix broken rockets.
   - B. To heat their food.
   - C. To turn the lights on and off.
   - D. To keep tools from floating away.
4. How are magnets used in spacecrafts?

5 EARTH'S MAGNET

Directions: Read the paragraph then write true or false on the lines.

Earth has a magnetic field that works like a giant bar magnet. It has a north pole and a south pole, and its nvisible magnetic field helps compasses point north. arth's magnetism also helps animals migrate and protects s from harmful solar energy.

Earth has a magnetic field. _____

The magnetic field around Earth is something we can ee with our eyes. _____

e needle in a compass points towards Earth's gnetic north. _____

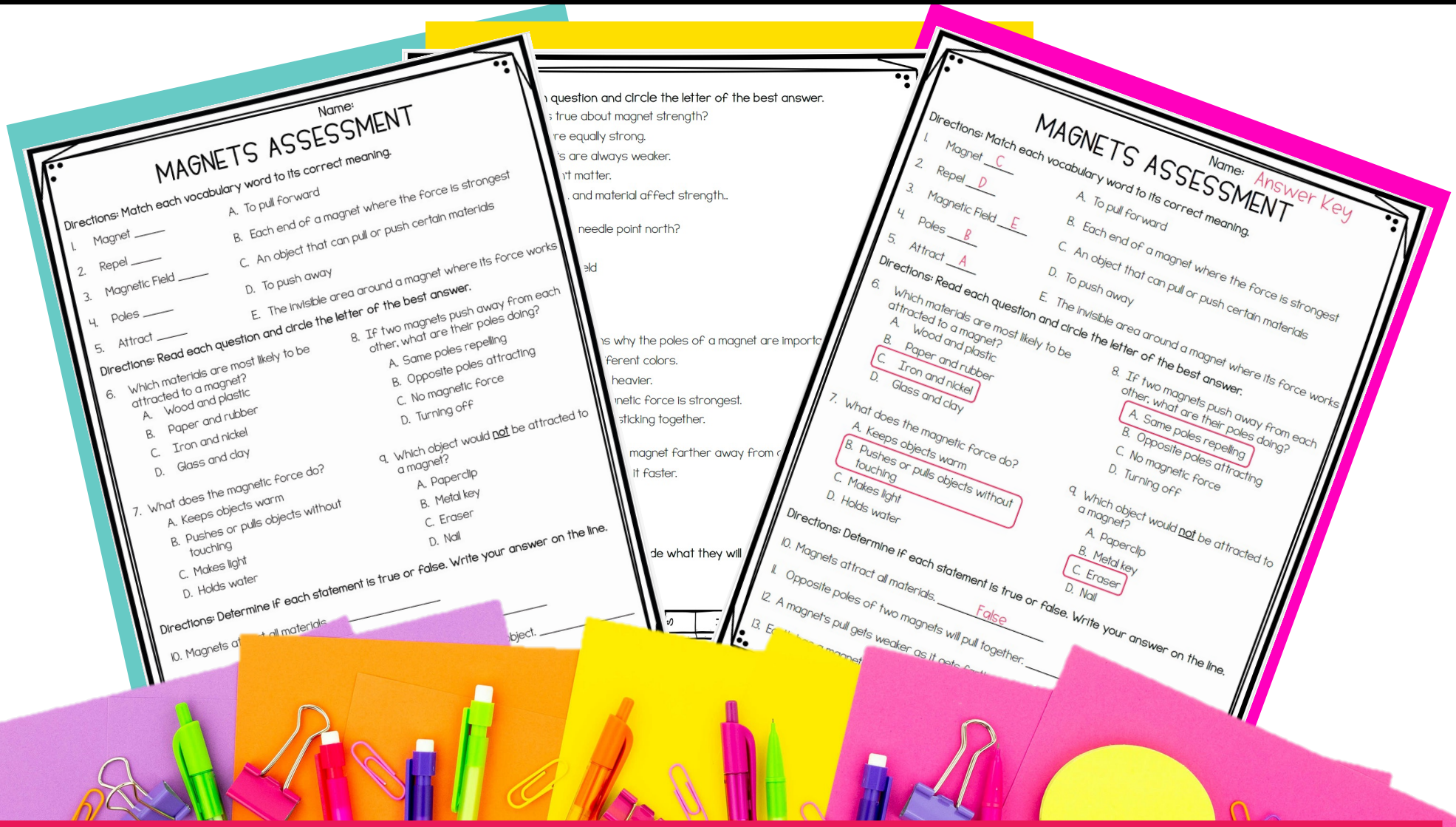
y people use Earth's magnetic field. _____

's magnetic field helps protect us from the sun's ful rays. _____

: Draw an animal using Earth's magnetic field migrate

Reading passages allow students to take a closer look at the concept and practice reading comprehension skills.

Assessment



A standards-aligned unit assessment is provided to evaluate students' understanding.