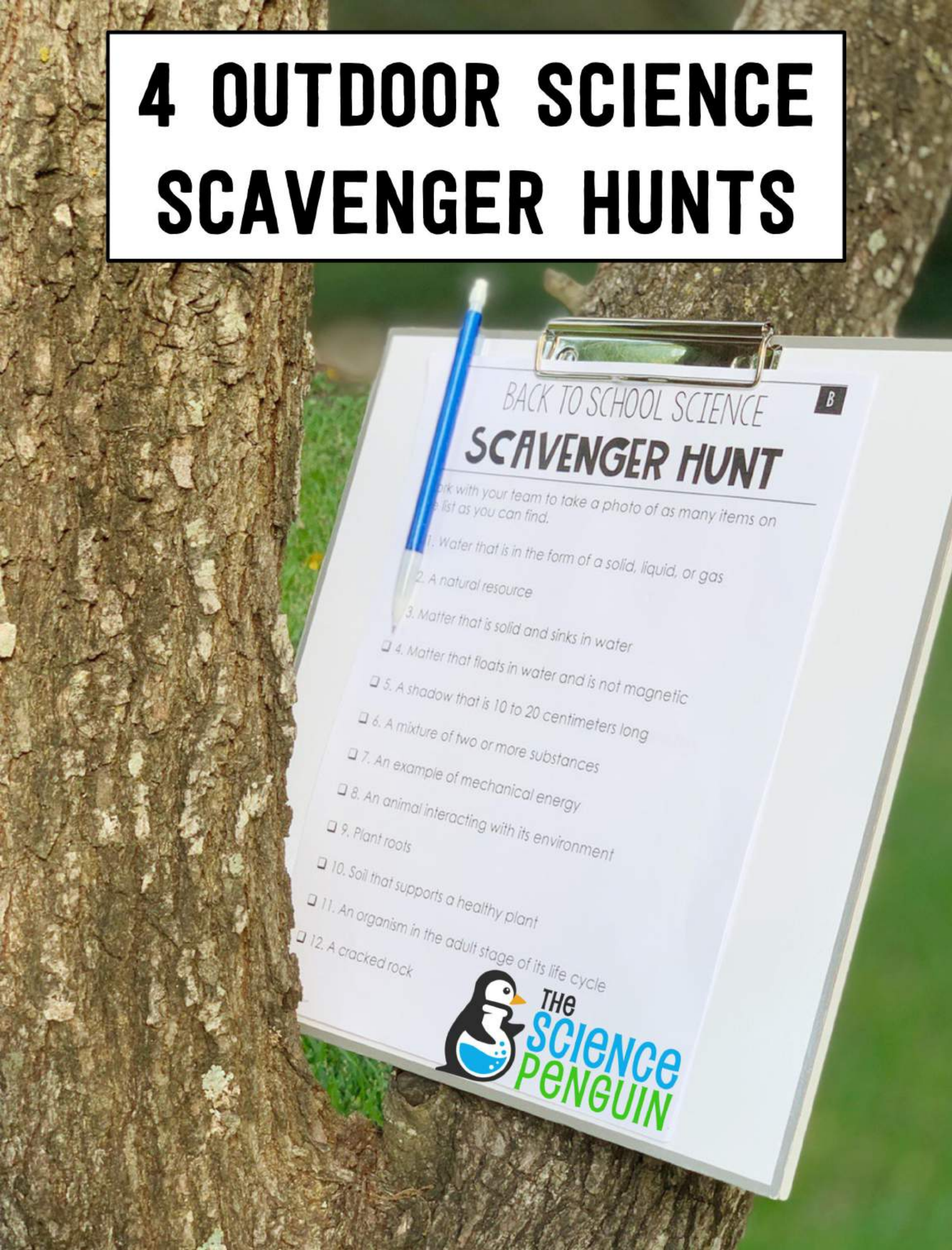
4 OUTDOOR SCIENCE SCAVENGER HUNTS



TERMS OF USE

You may share the "4 Outdoor Science Scavenger Hunts" resource with families and students online or in print.

Source: Free Elementary Science Activites for Educators and Families from The Science Penguin

GENERAL SCIENCE SCAVENGER HUNT

Topic: Physical, Earth, and Life Science
Activity: Find examples related to science topics.
Location: Outside

Materials for Each Team

- 1 Scavenger Hunt page
- 1 camera or device with a camera (optional)
- 1 centimeter tape measure
- a small container of water
- magnet

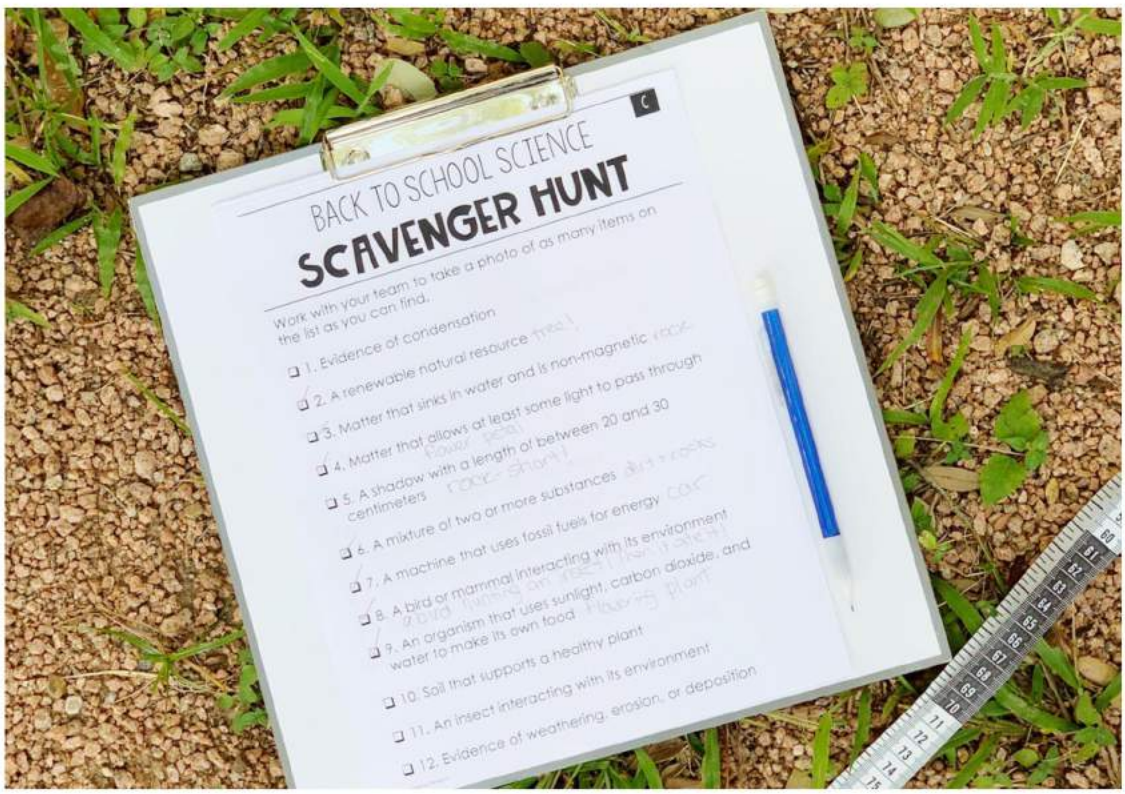
Prep

Print a copy of the Scavenger Hunt printable.

Activity

This is a fun outdoor activity for student teams to look for examples of science concepts around the school. Depending on your environment, location, the time of year, and climate, some of these items may be easier to find than others.

Introduce the challenge. Search for and photograph each item on the list. **No way to take photos? That's okay! Just write a description of each item you find!**



GENERAL SCIENCE

SCAVENGER HUNT

Find as many items on the list as you can.

- ❑ 1. Water that is in the form of a solid, liquid, or gas
- ❑ 2. A natural resource
- ❑ 3. Matter that is solid and sinks in water
- ❑ 4. Matter that floats in water and is not magnetic
- ❑ 5. A shadow that is 10 to 20 centimeters long
- ❑ 6. A mixture of two or more substances
- ❑ 7. An example of mechanical energy
- ❑ 8. An animal interacting with its environment
- ❑ 9. Plant roots
- ❑ 10. Soil that supports a healthy plant
- ❑ 11. An organism in the adult stage of its life cycle
- ❑ 12. A cracked rock

SLOW CHANGES SCAVENGER HUNT

Topic: Earth's Surface
Activity: Find examples of slow changes to Earth's surface.
Location: Outside

Materials for Each Team

- 1 Scavenger Hunt page
- 1 camera or device with a camera (optional)

Prep

Print a copy of the Scavenger Hunt printable.

Activity

This is a fun outdoor activity for students to look for evidence of slow changes right at school. Depending on your environment, location, the time of year, and climate, some of these items may be easier to find than others.

Introduce the challenge. Search for and photograph each item on the list. **No way to take photos? That's okay! Just write a description of each item you find!**

SLOW CHANGES TO EARTH'S SURFACE

SCAVENGER HUNT

Find as many items on the list as you can.

- ❑ 1. deposition of sediments in a new place
- ❑ 2. a cracked rock that has been weathered
- ❑ 3. a pile of sediments
- ❑ 4. a small channel from runoff
- ❑ 5. a sedimentary rock that allows sediments to be easily scraped off of it
- ❑ 6. evidence of weathering
- ❑ 7. exposed tree roots above the ground
- ❑ 8. a sidewalk crack
- ❑ 9. mud
- ❑ 10. a drainage pipe
- ❑ 11. a sloped hill
- ❑ 12. evidence of ice wedging

EARTH'S SYSTEMS SCAVENGER HUNT

Topic: Geosphere, Biosphere, Hydrosphere, and Atmosphere
Activity: Find examples of Earth's systems.
Location: Outside

Materials for Each Team

- 1 Scavenger Hunt page
- 1 camera or device with a camera (optional)

Prep

Print a copy of the Scavenger Hunt printable.

Activity

This is a fun outdoor activity for student teams to look for examples of four different Earth systems at school. Depending on your environment, location, the time of year, and climate, some of these items may be easier to find than others.

Introduce the challenge. Search for and photograph each item on the list.
No way to take photos? That's okay! Just write a description of each item you find!

EARTH'S SYSTEMS

SCAVENGER HUNT

Find as many items on the list as you can.

- ❑ 1. Geosphere: solid rock
- ❑ 2. Biosphere: a plant
- ❑ 3. Hydrosphere: liquid water
- ❑ 4. Atmosphere: air
- ❑ 5. Geosphere: soil or sediment
- ❑ 6. Biosphere: an animal
- ❑ 7. Geosphere and Hydrosphere: an area of land that has been changed due to water or ice
- ❑ 8. Hydrosphere and Atmosphere: a cloud formed due to evaporation and condensation of water from Earth
- ❑ 9. Atmosphere and Biosphere: person inhaling oxygen
- ❑ 10. Biosphere and Geosphere: an animal using a rock or soil for shelter

ECOSYSTEM SCAVENGER HUNT

Topic: Ecosystem Interactions
Activity: Find examples of living organisms interacting with living and nonliving components of their environments.
Location: Outside

Materials for Each Team

- 1 Scavenger Hunt page
- 1 camera or device with a camera (optional)

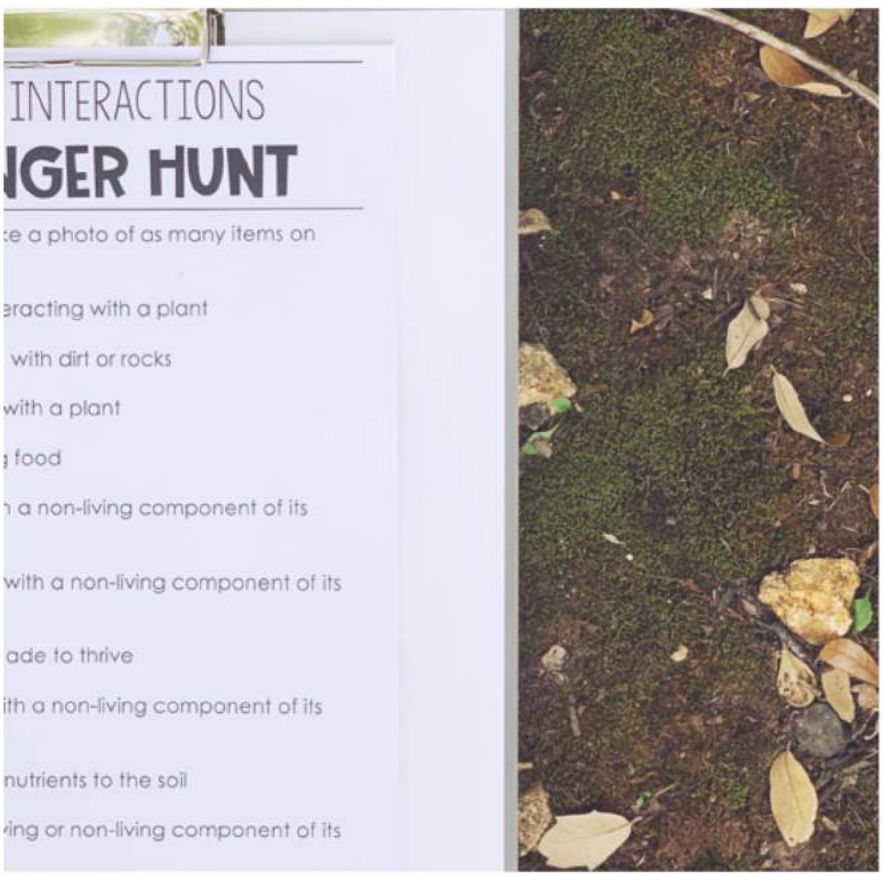
Prep

Print a copy of the Scavenger Hunt printable.

Activity

This is a fun outdoor activity for student teams to look for ecosystem interactions right at school. Depending on your environment, location, the time of year, and climate, some of these items may be easier to find than others.

Introduce the challenge. Search for and photograph each item on the list. **No way to take photos? That's okay! Just write a description of each item you find!**



ECOSYSTEM INTERACTIONS

SCAVENGER HUNT

Find as many items on the list as you can.

- ❑ 1. a bird or mammal interacting with a plant
- ❑ 2. an animal interacting with dirt or rocks
- ❑ 3. an insect interacting with a plant
- ❑ 4. an animal consuming food
- ❑ 5. a bird interacting with a nonliving component of its ecosystem
- ❑ 6. an insect interacting with a nonliving component of its ecosystem
- ❑ 7. a plant that needs shade to thrive
- ❑ 8. a plant interacting with a nonliving component of its ecosystem
- ❑ 9. a fungus that returns nutrients to the soil
- ❑ 10. an animal using a living or nonliving component of its ecosystem for shelter