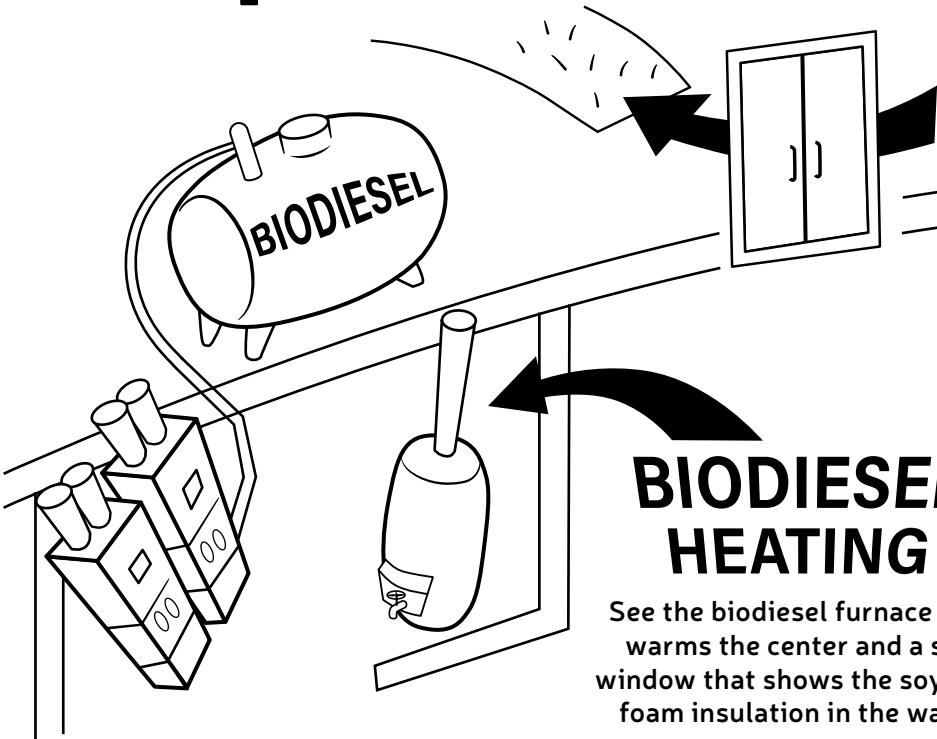


WELCOME to the CENTER FOR SOY INNOVATION

Presented by The Missouri Soybean Merchandising Council



Explore and learn in the...



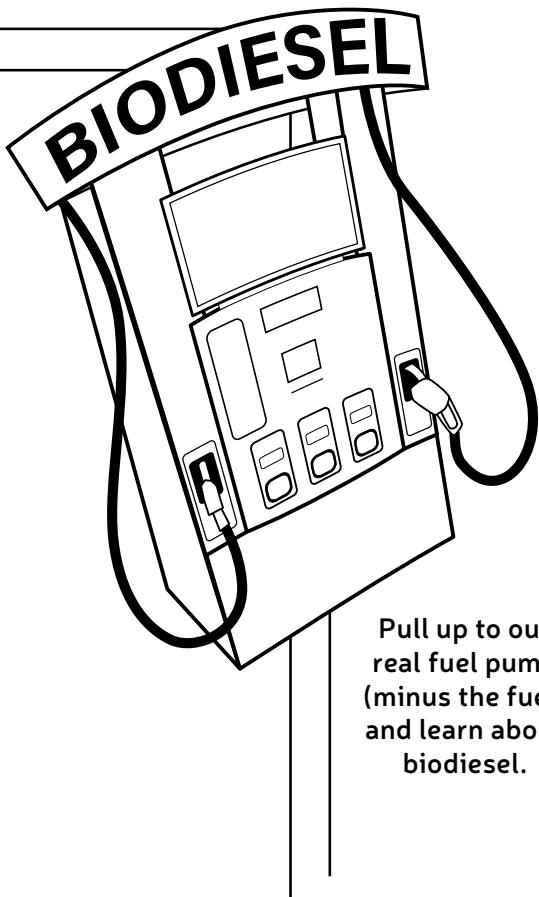
Before you walk in the front door,
check out the artificial turf outside.
It's made with soybean materials.

BIODIESEL HEATING

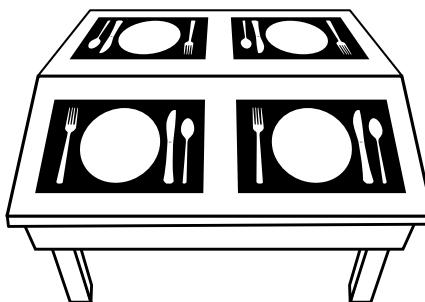
See the biodiesel furnace that
warms the center and a spy
window that shows the soybean
foam insulation in the walls.

SPINNING TILE GAME

Spin the giant tiles to
show facts about the
soybeans in Missouri.



Pull up to our
real fuel pump
(minus the fuel)
and learn about
biodiesel.



INTERACTIVE FOOD GAME

Fill your virtual plate at the
touchscreen activity table
and learn where many foods
come from.

Taste
doughnuts
made from
soybean meal
and cooked in
soybean oil.



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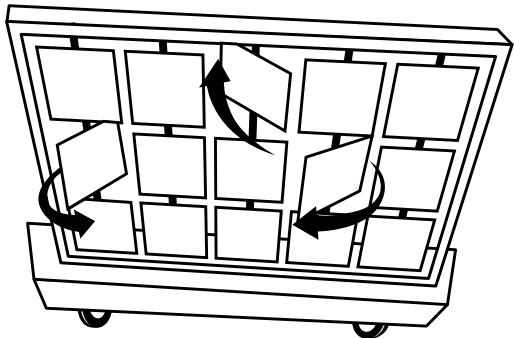
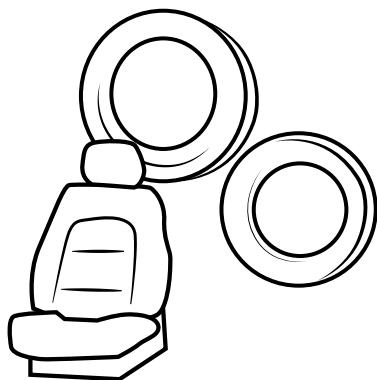


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...Center for Soy Innovation!

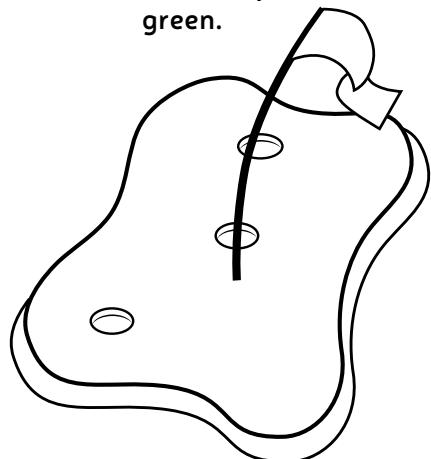
SOY AUTO INVENTIONS

Squeeze the car seat and feel the tires - all made from soybean oil.



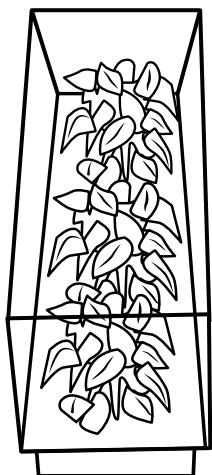
SOYBEAN PUTTING GREEN

Artificial turf made using soybeans. It's cushy and green.



LIFESIZE SOYBEAN LIFE CYCLE

These special models show the lifecycle of a soybean plant.



SUPER BIG SOYBEAN TRADE MAP

See the trade routes that send soybeans all around the world.

ANSWER KEY:

Page 3 answers: truck, Jefferson City, pump, renewable, toxic, air, tank, furnace, pollution, save, heating

Page 4 answers: 6, 4, 1, 5, 8, 7, 3, 2

Page 6 answers: 2, 3, 6, 4, 5, 8, 1, 7



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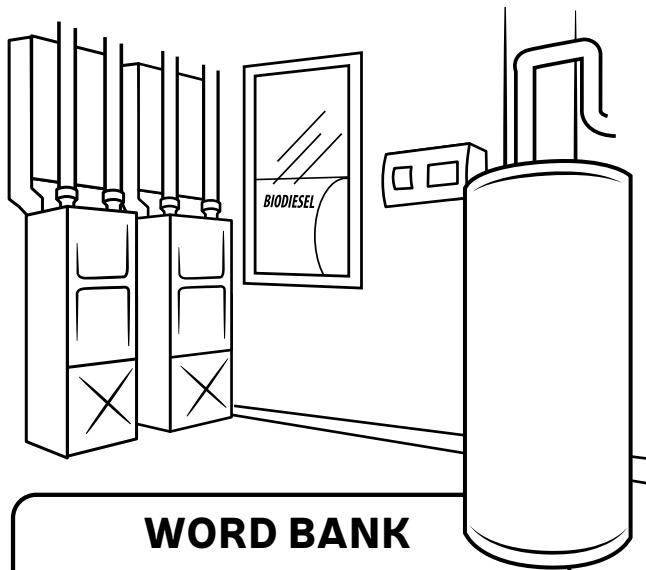
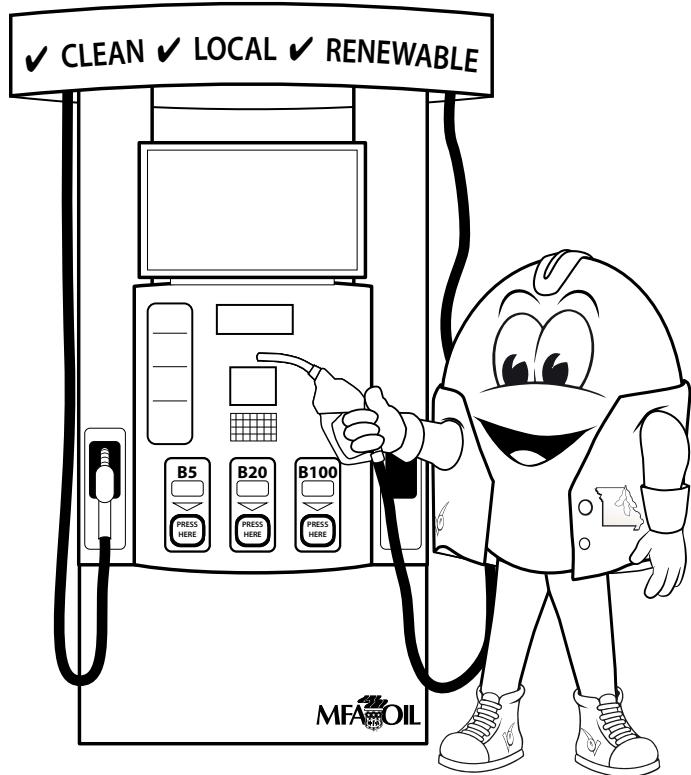
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Biodiesel keeps us moving and keeps us warm!

Fill in the blanks with words from the word bank to complete the story about biodiesel made with Missouri soybeans. Answers on page 2.

One cold winter day, Simon jumped in his _____ and headed for the Center for Soy Innovation in _____, Missouri. On his way, Simon stopped at the gas station and pulled up to a biodiesel _____. Biodiesel is a _____ fuel made with soybean oil, which means we will always be able to produce more!

Simon's truck is a regular diesel truck, but it runs great on biodiesel, too. Simon feels good about using biodiesel because it is less _____ than table salt and helps make the _____ we breathe cleaner.



WORD BANK

- pollution
- toxic
- furnace
- renewable
- Jefferson City
- heating
- pump
- tank
- truck
- save
- air

When he arrived at the Center for Soy Innovation, a big _____ labeled "Biodiesel" caught Simon's eye. He knew biodiesel was used in vehicles but wondered why it was here.

Simon learned that biodiesel is also used for heating! The biodiesel tank outside fuels the The Center's _____, warming the whole space. Biodiesel is a good choice for heating all types of buildings – even homes! It burns cleaner, reducing _____, and increases efficiency, which can help _____ money.

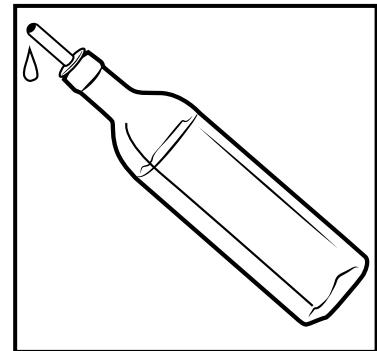
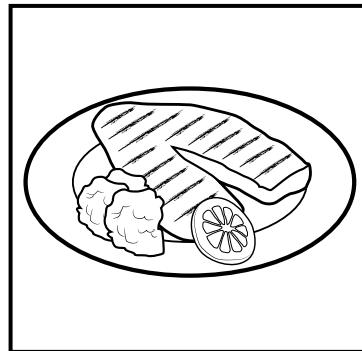
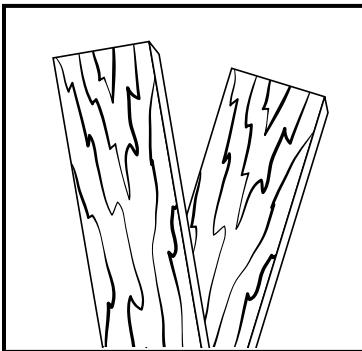
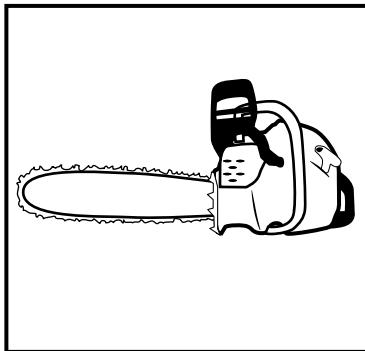
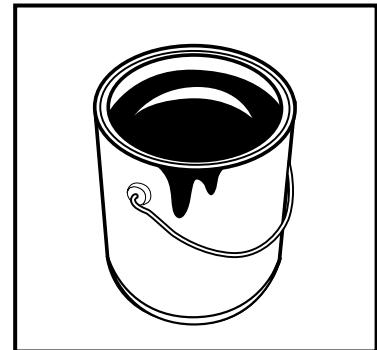
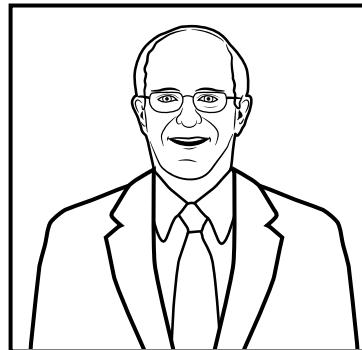
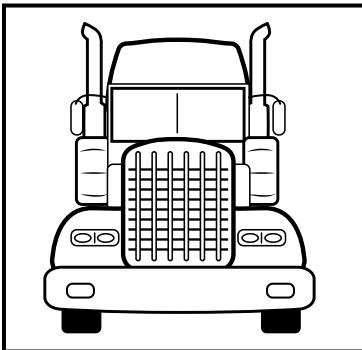
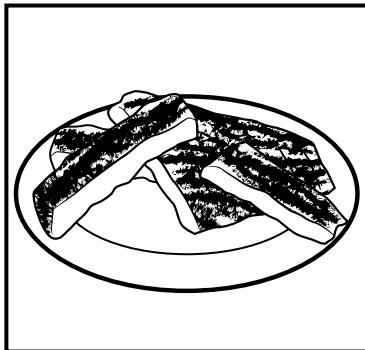
On his drive home, Simon thought about all the ways he could use biodiesel _____ in his home and around his farm!



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Spin the Tiles!

When you visit the Center for Soy Innovation, you can play the spin-the-tile game. Play this sneak peek version: Write the number from descriptions below its matching picture. Answers on page 2.



- 1) Dr. Leon Schumacher's research made biodiesel part of Missouri's soy value chain. Today, biodiesel creates demand for soybean oil, which adds value to soybeans.
- 2) High oleic soybean oil performs better at high temperatures and lasts longer, making it a perfect choice for cooking and baking!
- 3) Good news for seafood lovers! Researchers are exploring multiple breeds that could benefit from more soy in their feed rations.
- 4) From coast to coast, transportation vehicles that run on biodiesel reduce emissions and lower our nation's dependence on fossil fuels.
- 5) For over 60 years, U.S. soy-based paints, stains and other coatings have been quality products perfect for professional and DIY projects.
- 6) There can't be a barbecue without U.S. soy. In fact, livestock are the top consumer of our soybean meal!
- 7) Some types of flooring, paneling, and plywood are made with soy-based products. This helps lower the amount of harmful fumes and improve water resistance.
- 8) From power tools to big machines, there's probably a soy-based oil or grease to make it run more cleanly and efficiently.



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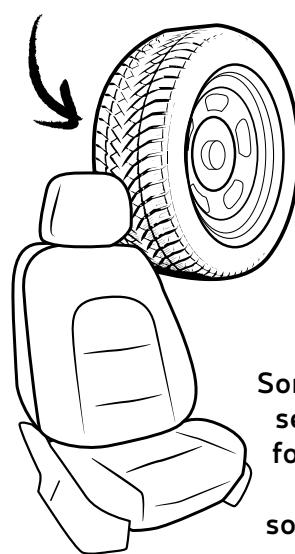


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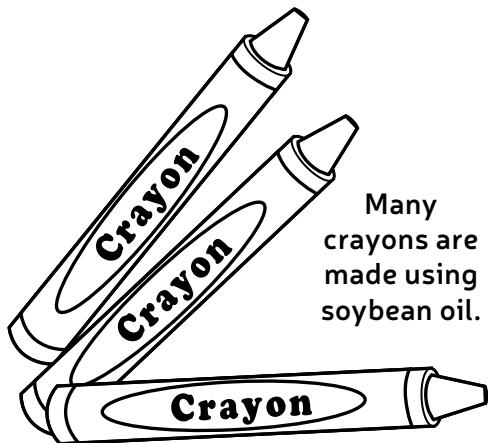
Decorate Your Soy Doughnuts

Did you know the Center for Soy Innovation has doughnuts made with soybean meal, and cooked in soybean oil? What a tasty surprise! Many other foods and products are made with soybeans, too.

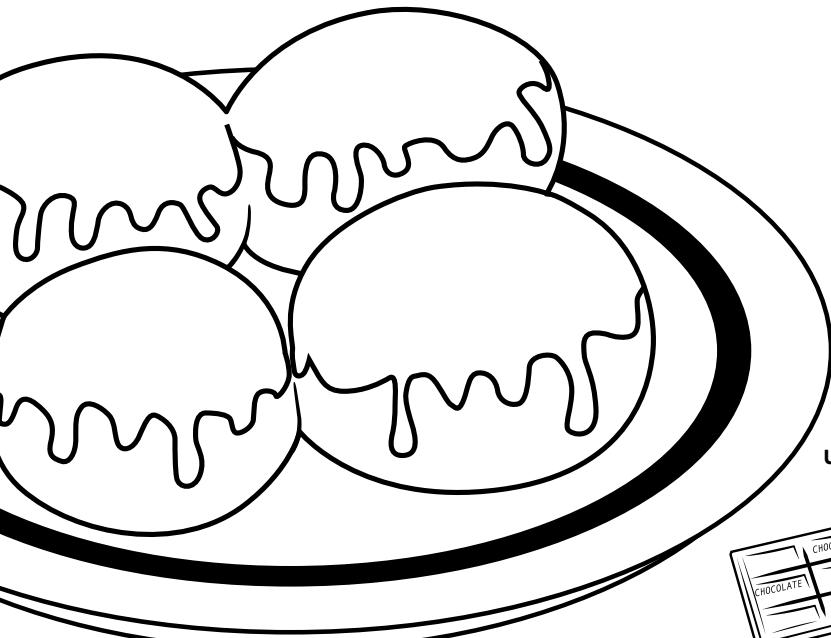
You can see real seats and tires made with soybean oil in the Center for Soy Innovation.



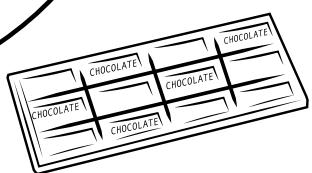
Police use special cold weather tires that are made with soybean oil.
Some vehicle seats have foam made from soybean oil.



Many crayons are made using soybean oil.



Chocolate coatings use soybean oil.



Soybean meal is in feed for many different farm animals and pets.



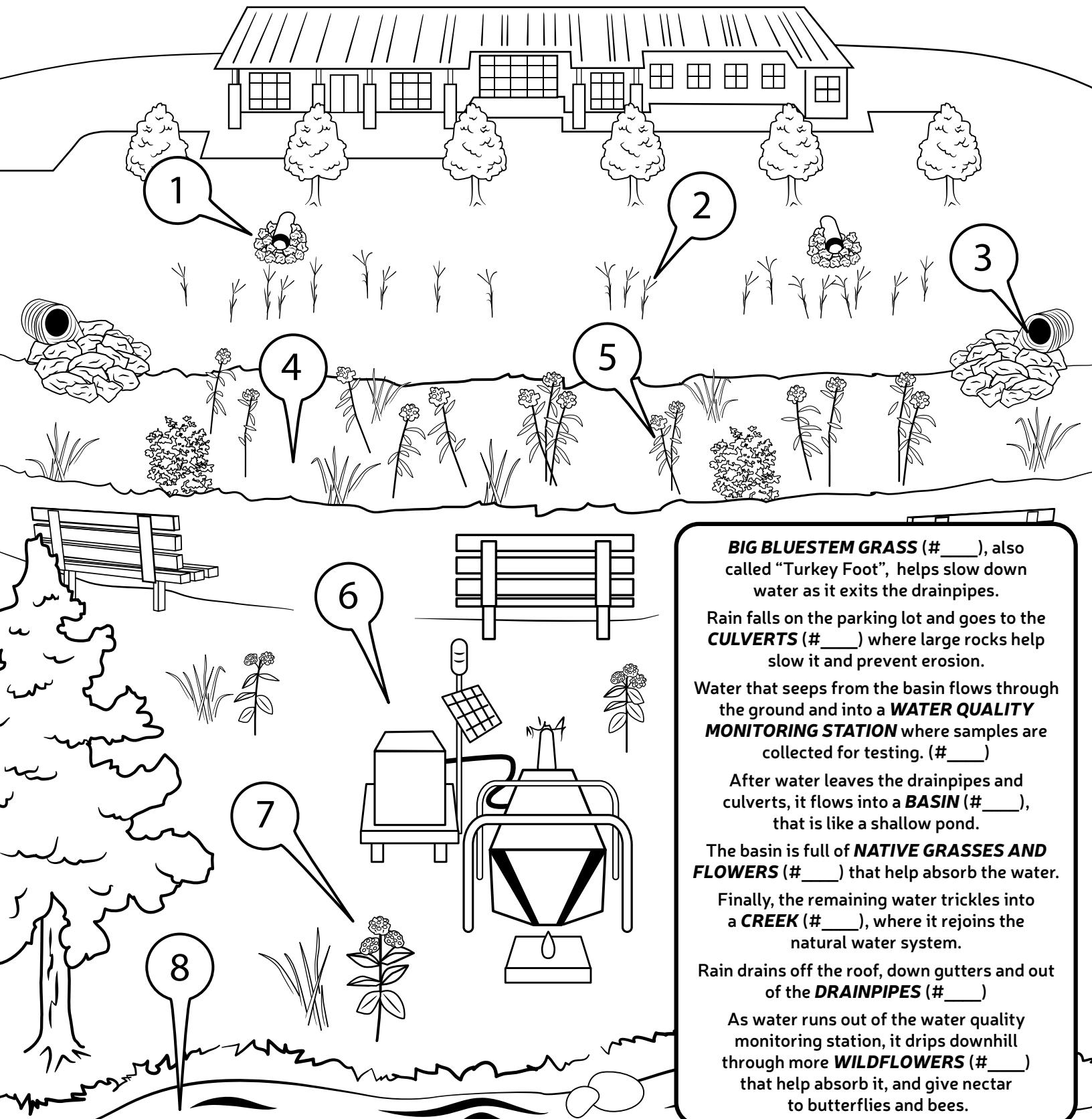
Soybean oil and soybean meal are in many foods we eat.



Soybean oil is used in products like paint, glue and soaps.

Rainwater and Native Plants

At the Center for Soy Innovation, we use native plants, landscaping, and technology to support nature and clean water. Match the mixed up descriptions with the correct numbers from the picture. Answers on page 2.



BIG BLUESTEM GRASS (#____), also called "Turkey Foot", helps slow down water as it exits the drainpipes.

Rain falls on the parking lot and goes to the **CULVERTS** (#____) where large rocks help slow it and prevent erosion.

Water that seeps from the basin flows through the ground and into a **WATER QUALITY MONITORING STATION** where samples are collected for testing. (#____)

After water leaves the drainpipes and culverts, it flows into a **BASIN** (#____), that is like a shallow pond.

The basin is full of **NATIVE GRASSES AND FLOWERS** (#____) that help absorb the water.

Finally, the remaining water trickles into a **CREEK** (#____), where it rejoins the natural water system.

Rain drains off the roof, down gutters and out of the **DRAINPIPES** (#____)

As water runs out of the water quality monitoring station, it drips downhill through more **WILDFLOWERS** (#____) that help absorb it, and give nectar to butterflies and bees.

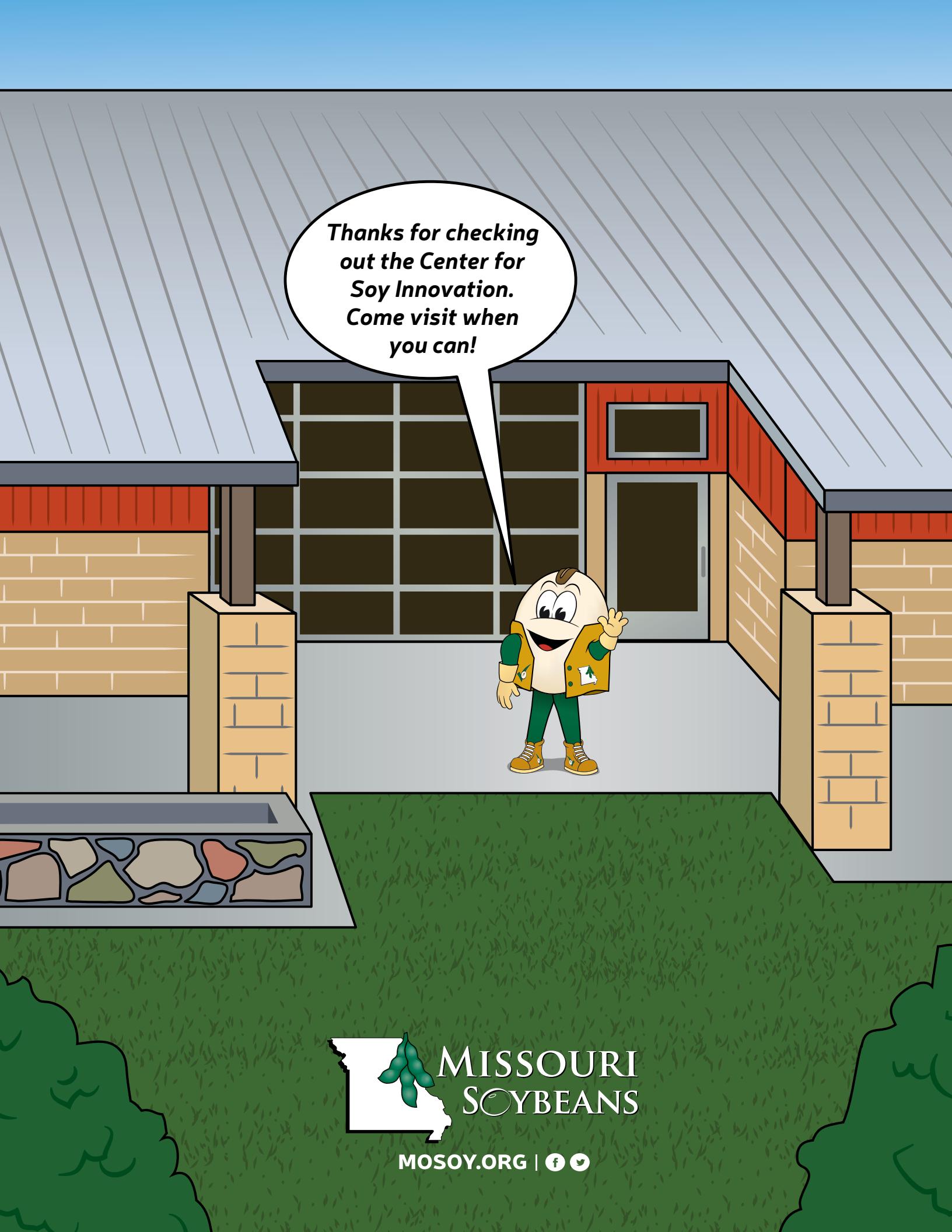


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*Thanks for checking
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