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Feces to Fuel

The idea of this project was to find which feces between horse, sheep and cow feces had the most methane gas. The researcher will do this as shown below. You will need all of your equipment to start. You need to construct the container first, by making a hole in the lid and then putting a tube with a balloon on the top half way in the lid. Use duct tape the tube to the lid. Do this for two more containers. After this, collect 793.79 grams of each feces. Pour each feces into their own containers. Add 354.88 milliliters of lukewarm water and then tape the container closed. Record the results every two days for one week. Find the volume of the container to figure out which feces has the most methane gas. To find the volume of the container, take the volume of the container minus the volume of the feces and water. Next find the volume of the balloon by finding of the radius of the balloon, then square the number and multiply by pi. The researcher's data concluded that the cow feces produced the most methane gas. It produces 101.87 cubic centimeters of methane gas. The horse produced the second most, producing 100.51 cubic centimeters. The sheep had the least, producing 61.15 cubic centimeters of gas. The experiment was accepted. The reason for this is because the cow produced the most gas and the sheep produced the least. This project was a success for the researcher.