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Burn It Up - Measuring Fuel Efficiency In Manure

Question: What type of manure burns the hottest? Procedure: I microwaved each sample until it reached a constant weight. I weighed my foil, a metal container, two beakers, the water, and 10 grams of manure. I measured the temperature of the water. I lit the manure sample on fire. I measured the temperature of the water until it reached its peak temperature. I weighed the burned manure. Cow- Test 1: burned 3 grams and rose 87 degrees F. Test 2: burned 0 grams and rose 34 degrees F. Test 3: burned 2 grams and rose 50 degrees F. Horse- Test 1: burned 5 grams and rose 152.4 degrees F. Test 2: burned 2 grams and rose 137 degrees F. Test 3: burned 5 grams and rose 42 degrees F. Pig-Test 1: burned 0 grams and rose 44.7 degrees F. Test 2: burned 0 grams and rose 8.2 degrees F. Test 3: burned 0 grams and rose 10.6 degrees F. Sheep- Test 1: burned 2 grams and rose 154.8 degrees F. Test 2: burned 2 grams and rose 53.4 degrees F. Test 3: burned 2 grams and rose 91.7 degrees F. My hypotheses was incorrect- horse manure burned the hottest, sheep was second, cow was third, and pig was last, but horse was less efficient than sheep because it burned 40% of the sample versus 20% of the sheep sample to produce almost the same BTU's. My pig manure really didn't burn at all.