#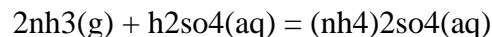 The fertilizer ammonium sulfate, (nh4)2so4, is prepared by the reaction between ammonia (nh3) and sulfuric acid: 2nh3(g) + h2so4(aq) ? (nh4)2so4(aq) how many kilograms of nh3 are needed to produce 3.60 × 105 kg of (nh4)2so4?

The chemical reaction would be:

2nh3(g) + h2so4(aq) = (nh4)2so4(aq)

To determine the ammonia needed, we use the given amount of the product to be produced and use the chemical equation to relate the substances. We do as follows:

3.60 × 105 kg (nh4)2so4 (1 kmol / 132.14 kg) (2 kmol NH3 / 1 kmol (nh4)2so4) (17.04 kg / 1 kmol) = 92846.98 kg NH3 needed
PLEASE ANSWER!!!! I WILL GIVE BRAINLIEST ANSWER!!!! THIS MY FINAL FOR CLASS!!!!!!! PLEASE ANSWER CORRECTLY!!!!! What is a significant difference between the Jamestown and Plymouth colonies?
A cross-country runner accelerates from 4 m/s to 7 m/s over the course of 5 seconds. What is the runner's average rate of acceleration? A. 0.3 m/s/s B. 0.6 m/s/s C. 1.4 m/s/s D. 2.2 m/s/s
The current limiting property of an inductor is called _____
A car with an initial speed of 6.5 m/s accelerates at a uniform rate of 0.92 m/s2 for 3.6 s. Find the final speed of the car during this time.
Determine how many grams of silver would be produced, if 12.83 x 10^23 atoms of copper react with an excess of silver nitrate. Given the equation: Cu + 2AgNO3 -> Cu(NO3)2 + 2Ag Avogadro's number: 6.02 x 1023
A fisherman is using a very light fishing line that breaks when the tension exceeds 20N. He lifts a fish vertically out of the water with an upwards acceleration of 2 m/s^2. What is the largest mass of the fish for which the line will hold?
Which of the following statements best describes how matter moves through the biosphere? A.) matter moves in one-way flow.

B.) matter moves from animals to plants

C.) matter recycles and moves in a continuous cycle

D.) matter is destroyed after it moves to decomposers
What is the discriminant of the quadratic function 3x2?x+11=0 ? -131

-8

181
Most injury crashes in Florida happen in _____ conditions. A. dusk
B. dawn
C. darkness
D. daylight

I need to know if my paper is in order and is grammatically correct. Symbolism, 1the use of symbols to invest things with a representative meaning or to represent something abstract by something concrete, is used in novels and stories by authors worldwide. Why do authors choose symbolism? Symbolism is a unique style of literature that allows authors to express themselves indirectly on delicate or controversial matters through the use of symbols. These symbols can range from a variety of things and have various meanings. But one unique author, Cynthia Ozick, took symbolism to another level in her short story "The Shawl". She uses, as you already guessed by the title, a shawl, to symbolize life and death. But the unique part is that the symbolism of the shawl changes with each character and has an effect on the other characters. The characters used are Magda, Stella, and Rosa.

The first character Ozick uses to convey the symbolization of the shawl is Magda. Magda is a small infant with "eyes blue as air" and "smooth feathers of hair nearly as yellow as the Star sewn into Rosa's coat." With Magda the shawl symbolizes life. We can see this in this excerpt. "It was a magic shawl, it could nourish an infant for three days and three nights. Magda did not die, she stayed alive, although very quiet." Ozick uses the shawl as a kind of shield to keep Magda alive longer then what either Rosa or Stella expected. However the shawl did not only keep Magda alive it also affected Stella by making her jealous. "Sometimes Stella carried Magda. But she was jealous of Magda. A thin girl of fourteen, too small, with thin breast of her own, Stella wanted to be wrapped in the shawl, hidden away, asleep, rocked by the march, a baby, a round infant in arms. " This affected Stella to a point where she took the shawl away from Magda, virtually causing Magda to die.

The next character Ozick uses to convey the symbolism of the shawl is Stella. Stella is a thin, small fourteen year old who is jealous of Magda. Her jealousness, caused by the wanting of the shawl from Magda, causes her to steal the shawl. Although intended for warmth, the shawl, in all, made Stella cold-hearted. "Then Stella took the shawl away and made Magda die. Afterward Stella said: "I was cold." The cold went into her heart: Rosa saw that Stella's heart was cold". In reference to Stella's coldness, the first sentence in the first paragraph is a sort of foreshadow to this event. When the shawl is with Stella it affects Rosa by making her Angry. It also affects Magda by bringer her out into the open.

The third and final character Ozick uses to convey the symbolization of the shawl is Rosa. Rosa is the mother of Stella and Magda and is as light as "air". In the hands of Rosa the shawl symbolizes comfort. "So she took Magda's shawl and she filled her own mouth with it, stuffed it in and stuffed it in, until she was swallowing up the wolf's screech and tasting the cinnamon and almond depth of Magda's saliva; and Rosa drank Magda's shawl until it was dried." Rosa used the shawl to keep from screaming out in her pain after seeing Magda killed by the Nazi soldier. Because Rosa is the last character mentioned in the story, when she has the shawl it doesn't affect any other character.

In conclusion, Ozick's "The Shawl" is a very deep and saddening story. Through the use of symbolization Ozick not only affects the character that has the shawl but also the other characters in the story. Without the symbolic meanings the shawl would mean nothing. For example, Magda would have just been a baby

wrapped in a blanket. But Ozick gave the shawl a meaning, a life preserver. Now the scene is completely different. Magda is now a baby wrapped in a shawl only able to survive by the protection of the shawl. And it now affects the character Stella by making her jealous of Magda. With the symbolic meanings of the shawl the story now vivid and has a clearer meaning.

A given line has the equation 10x - 2y=-2. What is the equation, in slope-intercept form, of the line that is parallel to the given line and passes through the point (0, 12)?

y= -5x+12

5x+y=12

y- 12 = 5(x - 1)

5x+y=-1

The first ruler to have a permanent army

Significance of the blitz and the Battle of Britain

Solve this absolute value equation and show all work. 1) $9 + |2x - 3| = 7$

2) $3 + |2x - 4| = 15$

What was Rudolph Virchow's contribution to the cell theory?

A square banner has an area of $(4x^2-12x+9)$ square inches. Write an expression for the perimeter of the banner.

The following quote from young goodman brown reflects what type of mood in the short story

How many groups of 100 pennies are in 1000 pennies