

Separate groups 

Attempts: 143

**Question 11 : "Assessment for Equations essay" (139 / 139 attempts graded).**

Attempts for Alexandra Tedeschi

Attempt number 1 for Alexandra Tedeschi. (graded)

Marks: 10

**A day in the life of Steve**

Today is the day. A new job is in the future, Steve is anticipating an intimidating interview. This is the third and final effort to land the job of a lifetime. The pay, the opportunities, the excitement are nearly overwhelming. Steve has completed a serious intelligence gathering operation relating to the interview team, company, and expected job position. To make sure events proceed to a job offer Steve decides to take steps.

The alarm rings at 5:30 in the morning. The sun is barely over the horizon, Steve hears the first birds chirping, and he takes this as a good sign. He gets up and decides a shower is a good idea to wake him up. He turns on the shower, (1) feels the hot water, and adds a bit of cold to make it comfortable. He washes his hair with a high lather (2) shampoo. He (3) shaves with a straight edge and then begins to dress. He chooses his best power suit of (4) medium gray with black pin stripe. Next is breakfast.

The interview is going to be a long one so Steve decides that a serious breakfast is needed. He prepares (5) oatmeal and raisins, because he believe his body will (6) digest a simple meal better and (7) provide energy over a longer period of time. With his oatmeal, he prepares toast, but the timer is acting up and the toast is darker, and even (8) burnt in places. He makes some tea to go with breakfast and to provide caffeine. The loose-leaf tea makes a wonderful smell as the clear water (9) turns to the familiar dark brown color. Breakfast done Steve is out the door.

Steve drives to the interview and he realizes that he needs gasoline, and thinks he will be able to get a car that (10) burns less gasoline. And looks cool besides.

Classify the numbered examples above. Include the type of property, change, or mixture. Include your reasoning of your answer. Remember to receive a 4 you need to specifically and clearly connect to prior knowledge such as laboratories, activities, out side reading.

Answer:

- 1) This is an example of chemical change. It is a chemical change because a chemical reaction is taking place in Steve's brain. I learned in my psychology class that if the nerves in your hands feel something hot a chemical reaction occurs, sending a chemical message to your brain tell you that the water is hot.
- 2) Shampoo is an example of a homogeneous mixture because there are no visible particles in the shampoo. It was like in the How to identify Homogeneous and Heterogeneous mixtures in the wed lab activity we did, In the picture where they mixed a clear liquid with a dark blue liquid, the liquids combined together and made one light blue liquid with no trace of two different liquids.
- 3) Shaving with a straight edge is an example of a physical change because Steve is cutting he hairs on his face, changing their appearance but not their chemical make-up. It is like when cut the paper in the chemical and Physical lab. We cut the paper in to squares and rearranged the shape, but no matter how much we arranged the squares they were still paper.
- 4) The color medium grey is an example of a physical property because it took a combination of colors to create medium grey, but no chemical alteration occurred just the appearance of the colors changed. This is like when we were testing ink to see what color a colored pen is made up of. The pens looked a single color but we found that some of them were made up of many colors.
- 5) Oatmeal and raisins is an example of a heterogeneous mixture, because there are visible substances. It is like in the Harry Potter books when they make polyjuice potion, the potion looks like a thick muddy liquid but when they at the hair of the person they want to turn into the bits of hair are visible in the mixture making Polyjuice a heterogeneous mixture.
- 6) Digesting a meal is an example of a Physical change, because the digestive process is chewing and breaking up the food with stomach acid. This process is changing the appearance of the food. It is like during the salt and Water lab when the salt broke down into the water, it was still there but in a smaller less visible form.
- 7) The Providing of energy is an example of a chemical change because the food Steve eats changes into something completely different, energy. This is like when more wood is added to a fire, the wood acts as a form of fuel for the fire, and the flames grow bigger.
- 8) the burnt toast is a chemical property because the heat was beginning to change the bread into something else. This is like when you roast marshmallows and you leave them in the fire too long they get set on fire. If the bread was heated longer flames would have occurred and flammability is an example of a chemical reaction.
- 9) The water turning brown from the tea is an example of a physical change because the substance in the tea bag is changing the appearance of the water but not its chemical nature. This is like went I was painting last weekend i combined to different color paints to make a new color.
- 10) This is an example of a chemical change because the gasoline would be changed into energy for the car. This could be compared to the digestive system, we digest food and it provides us with energy.

Partially correct

Marks for this submission: 8.6/10.

Comment:  1 (8 pt)  **B** *I* U ~~S~~  $x_2$   $x^2$

6. is breaking the food down into smaller and simpler ingredients. You gave me the just what was presented in class, but not gone beyond to show that you have processed this beyond the classroom. You have done OK. I just do not feel you have made a strong effort at supporting your statements. The easiest way to do this is to use the activities from class. The use of activities must include how the activity supports your statements. Highlight your additional or edited portions as if it were a paper. New content as a color other than black, deleted content use the strike through. Also, if you are completely rewriting the entry give me a title like "2nd attempt 1.3".

Path:

Grade: 8.6 /10

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- 6) Digesting a meal is an example of a Physical change, because the digestive process is chewing and breaking up the food with stomach acid. This process is changing the appearance of the food. It was like when we crushed copper sulfon in a lab it was brittle and broke down, but still had the same chemical makeup. Essentially digesting a meal is breaking down the food like we did with the copper sulfon.
- 7) The Providing of energy is an example of a chemical change because the food Steve eats changes into something completely different, energy. This is like when more wood is added to a fire, the wood acts as a form of fuel for the fire, and the flames grow bigger.
- 8) The burnt toast is a chemical property because the heat was beginning to change the bread into something else. This is like when you roast marshmallows and you leave them in the fire too long they get set on fire. If the bread was heated longer flames would have occurred and flammability is an example of a chemical reaction.
- 9) The water turning brown from the tea is an example of a physical change because the substance in the tea bag is changing the appearance of the water but not its chemical nature. This is like when I was painting last weekend I combined different color paints to make a new color.
- 10) This is an example of a chemical change because the gasoline would be changed into energy for the car. This could be compared to the digestive system, we digest food and it provides us with energy.

Marks for this submission: 9.2/10.

Comment: Trebuchet 1 (8 pt) Lang B I U S x<sub>2</sub> x<sup>2</sup>

You have established that you know explicitly taught material. However, you included a limited number of connections linking to activities and/or laboratories from class. The connections can be personal experiences, activities/laboratories from class or outside readings. For corrections use a color other than black for additions, deleted content use the strike through. Also, if you are completely rewriting the entry use a title like "2nd attempt 1.3".

Path:

Grade: 9.2 /10

ThemeGurus

Mr. Ballard's Chemistry

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RAM: 5.5MB  
RAM peak: 6.5MB  
Included B1 files  
Load average: 0.36  
Record cache hit/miss ratio : 0/0