

Classical Conditioning worksheet

Part A

Identify the neutral stimulus(NS) unconditioned stimulus(UCS), Conditioned stimulus(CS), Unconditioned response(UCR) & Conditioned response(CR) in the following scenarios.

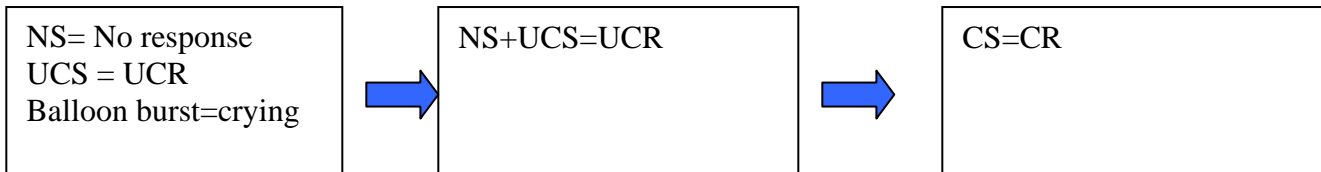
Hint:

If it has a 'U' in front of it, it must be a natural stimulus or response

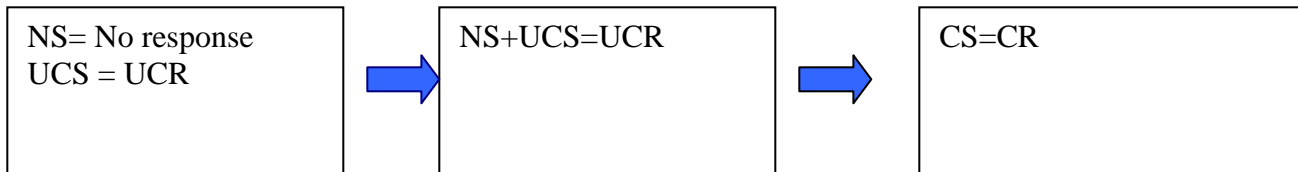
The NS and CS should be the same

The UCR and CR should be the same

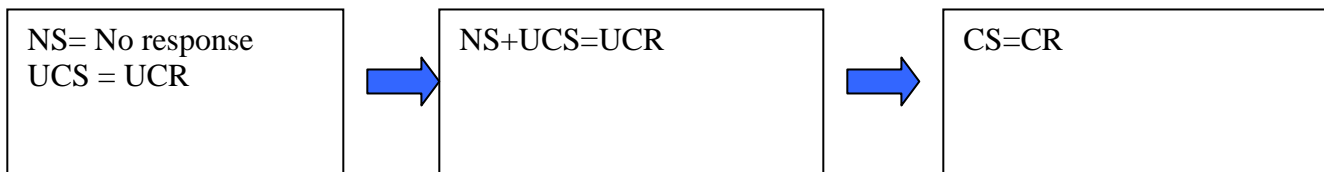
1. John is 3 years old and always loves playing with balloons. One day John was playing with a red balloon and it popped. The loud noise upset him and he cried. Ever since that day, whenever he sees a red balloon, he starts to cry.



2. Rastus is a border collie dog who loves going for a ride on the back of his owners tractor on the sheep farm. Every time his owner would walk towards the farm motorbike Rastus would wag his tail. Recently, his owner noticed that when he picks up his motorbike keys, Rastus' tail wags excitedly.



3. Nadine's favourite television show is the daytime show called 'Oprah'. When she is on school holidays she makes herself a snack and always sits down in front of the television and watches Oprah. Recently, Nadine noticed that as soon as she hears the theme song to the Oprah television show she starts to salivate.



Part B

Identify the unconditioned stimulus(UCS), Conditioned stimulus(CS), Unconditioned response(UCR) & Conditioned response(CR) in the following scenarios.

1. Every time someone flushes a toilet in the apartment building, the shower becomes very hot and causes the person to jump back. Over time, the person begins to jump back automatically after hearing the flush, before the water temperature changes.

UCS
UCR
CS
CR

2. John Watson conducted an experiment with a boy named Albert in which he paired a white rat with a loud, startling noise. Albert now becomes startled at the sight of the white rat.

UCS
UCR
CS
CR

3. Whenever you see a scary movie, you always eat a box of thin mints. Now you find that just seeing thin mints makes you feel scared.

UCS
UCR
CS
CR

You meet a new person who is an excellent cook. After a few superb meals you find yourself liking that person very much.

UCS
UCR
CS
CR

5. One of your friends drinks several martinis while eating pepperoni pizza. After becoming sick, she refuses to eat pepperoni pizza.

UCS
UCR
CS
CR

6. People receiving chemotherapy often vomit during or shortly after the procedure. After several chemotherapy sessions, people begin feeling sick at the sight of the treatment room.

UCS
UCR
CS
CR

Classical Conditioning worksheet(Answers)

Part A

1. NS= red balloon, UCS= Balloon burst, UCR= crying, CS=Red balloon, CR=crying
2. NS= Sheep farmer on motorbike, UCS= motorbike, UCR= tail wagging, CS=motorbike keys, CR=tail wagging
3. NS= Oprah TV show, UCS= snack, UCR= salivation, CS=Oprah TV show, CR=salivation

Part B

Question 1

The hot water is the UCS

The jumping back is the UCR

The toilet flush is the CS

The jumping back to the flush alone is the CR

Question 2

The loud noise is the UCS.

The startle is the UCR.

The white rat is the CS.

The startle response to the white rat is the CR.

Question 3

scary movie is the UCS

feeling scared because of the movie UCR

thin mints is the CS

feeling scared is the CR

Question 4

superb meals is the UCS

pleasant feeling associated with the good food is the UCR

the person is the CS

liking the person is the CR

Question 5

martini's is the UCS

becoming sick is the UCR

pepperoni pizza is the CS

nauseousness associated with the pizza is the CR

Question 6

Chemotherapy is the UCS

vomiting is the UCR

treatment room is the CS

feeling sick is the CR