

Classical conditioning

Identify the UCS, UCR, CR, & CS for the following:

1. You get stung by a bee and now you sweat when you hear a buzzing noise.
2. You turn left at an intersection and get hit by another car and are now feel your heart race anytime you turn left.
3. You loved the smell of your grandmother's cookies when you were little. Now your tummy growls when you talk to her on the phone.
4. You get shots every three months in the doctor's office for back pain. Your back feels better when you see the nurse who gives you the shots at the grocery store.

Answers

1. The CR & UCR are both fear (and the behavior that goes with fear—sweating). The learned stimulus for fear (CS) is the buzzing (it didn't make you afraid before you were stung). The original fear causing-stimulus is the pain of the sting (UCS)
2. The CR & UCR are fear (and any behaviors that go with fear—heart racing). The learned stimulus for fear (CS) is the turning left (it didn't make you afraid before you were hit). The original fear causing-stimulus is the loud noise/physical shock of the accident (UCS).
3. The CR & UCR are both tummy growling (a natural reaction to food). The learned stimulus for tummy growling (CS) is your grandma (she didn't mean anything to your tummy before the cookies). The original tummy growling causing-stimulus is the smell of the cookies (UCS).
4. The CR & UCR are both a reduction in pain. The learned stimulus for this reduction (CS) is the nurse who gives the shots (she didn't mean anything to you before then). The original pain reduction stimulus is the drug in the shot (UCS).