

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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### Quiz for Module 2: Humane Euthanasia

**This section must be completed by all researchers who will work with live animals and where the need for euthanasia can not be ruled out.**

- \_\_\_\_\_ 1. Injection of a lethal dose of pentobarbital is the most humane and preferred method of euthanizing large animals in the field.
  - a. True
  - b. False
  
- \_\_\_\_\_ 2. Killing fish by pulling them out of the water and allowing them to suffocate is always acceptable
  - a. True
  - b. False
  
- \_\_\_\_\_ 3. Chloroform is an unacceptable euthanasia agent according to the AVMA panel on euthanasia, and therefore it's use will never be approved by the UAA IACUC
  - a. True
  - b. False
  
- \_\_\_\_\_ 4. Use of kill trapping techniques (i.e. museum specials for lemmings, or Conibear traps for marten) is not acceptable for research purposes.
  - a. True
  - b. False
  
- \_\_\_\_\_ 5. Under special circumstances, the IACUC might approve the euthanasia of small fish or amphibians by direct immersion into formalin or alcohol, thus allowing rapid death and immediate fixation
  - a. True
  - b. False
  
- \_\_\_\_\_ 6. Euthanasia techniques should result in rapid unconsciousness followed by cardiac or respiratory arrest and ultimate loss of brain function. In addition the technique should minimize any stress and anxiety experienced by the animal prior to unconsciousness. Stress may be minimized by technical proficiency and humane handling of the animals to be euthanized
  - a. True
  - b. False

- \_\_\_\_\_ 7. Use of gunshot to kill wildlife will be acceptable to an IACUC as long as:
- The individual doing the shooting is properly trained in gun safety and has experience
  - A suitable firearm with appropriate ammunition is used
  - The animal is anesthetized prior to being shot
  - The individual doing the shooting is capable of recognizing the species, and, if necessary, the sex and age class that is to be shot
  - All of the above
  - A, B, and D only
- \_\_\_\_\_ 8. By which of the following mechanisms do euthanasia agents (chemical or physical) cause death
- Hypoxia
  - Direct depression of neurons vital for life function
  - Physical disruption of brain activity and destruction
  - All of the above
  - A and C only
- \_\_\_\_\_ 9. General anesthesia is required for
- Euthanasia by decapitation
  - Euthanasia by blow to the head
  - Euthanasia by injection with succinyl choline chloride or potassium chloride
  - All of the above
  - A and C only
- \_\_\_\_\_ 10. Information and guidelines about humane euthanasia of live vertebrates may be found in
- All 4 field research guidelines
  - The Animal Welfare regulations
  - The 1993 Report of the American Veterinary Medical Association Panel on Euthanasia
  - All of the above
  - A and C only