

**1997 EASTERN NATIONAL - 4-H HORSE BOWL    5 QUESTION TIE BREAKER**  
**GAME 4**

1. WHAT MEDICAL TERM IDENTIFIES AN ABNORMAL GROWTH OF HORN ON THE INNER SURFACE OF THE HORSE'S HOOF WALL?
  - A. KERATOMA
  - S. 19.62-1    IVE 692 & 55
  
2. WHAT OCCURS WITHIN THE SEMINIFEROUS TUBULES?
  - A. SPERMATOGENESIS / SPERM PRODUCTION
  - S. 19.611-1    AYHC 920-3
  
3. NAME THE HORSE BREED THAT THROUGH IT'S EVOLUTION, DEVELOPED LONG EYE LASHES TO KEEP THE SAND OUT OF IT'S EYES.
  - A. THE ARABIAN HORSE
  - S. 19.614-2    AYHC 150-1
  
4. 2 PARTS - GIVE TWO EXAMPLES OF THE CAUSES OF CONGENITAL CONTRACTION OF THE DIGITAL FLEXOR TENDONS.
  - A. 1. INHERITABLE CHARACTERISTICS  
2. MALPOSITION OF THE FETUS  
3. NUTRITIONAL DEFICIENCIES OF CALCIUM / PHOSPHOROUS VITAMIN / VITAMIN D
  - S. 19.611-3    IVE 90
  
5. HOW MANY **TOTAL** RIBS DOES A HORSE HAVE?
  - A. 36 RIBS (OCCASIONALLY 37 OR 38)
  - S. 19.6316-3    HH6 23