

# Immunizations: Injections & Techniques

Disposable syringes

mostly plastic, usually thrown away after use

Reusable syringes

made of glass, plastic and metal; must be sanitized between each use

Automatic

delivers larger doses repeatedly; ideal for vaccinating sows, steers and cows

Cutaneous

material is applied to the skin

Epidural

injected directly in the area around the spinal cord

Intracardial

injected directly into the heart

Intradermal

injected into the skin

Intramuscular

injected into the large muscles, commonly the neck and thigh

Intraocular

injected under the eyelid or into the cornea

Intrapulmonary

injected directly in to the lung

Intrathoracic

injected into the thoracic area

Intravenous

injected into the vein

Subcutaneous

injected under the skin (Sub Q)

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## Wormers

type of medicine used to kill parasites; usually given orally or subcutaneously

## Vitamins and Minerals

given when an animal is deficient and is usually given orally, intravenous or intramuscular

## Antibiotics

a germ-killing substance produced by a bacterium or mold, given to cure bacterial diseases; usually given orally, intravenous or intramuscular

## Vaccines

substance containing live, modified or dead organisms; injected to build immunity from a disease caused by certain organisms; usually given intramuscular or subcutaneous

## Antiseptic

agent capable of destroying or severely inhibits microorganisms causing disease

## Antitoxin

antibody neutralizing toxin

## Contagious

capable of being passed from animal to animal

## Disinfect

to destroy or kill disease producing organisms

## Non-contagious

diseases incapable of spreading from animal to animal

## Immunity

having a resistance to a specific disease

## Toxin

poisonous substance of microbes, vegetables or animal origin

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*Directions:*

Answer the following questions.

- \_\_\_ 1. The larger the gauge number, the larger the needle.  
a. true  
b. false
- \_\_\_ 2. An intravenous injection is injected under the skin.  
a. true  
b. false
- \_\_\_ 3. Antibiotics are used to kill parasites.  
a. true  
b. false
- \_\_\_ 4. Serums are given to help build immunity to a disease.  
a. true  
b. false
5. Most syringes are sized by \_\_\_\_\_ or \_\_\_\_\_.  
These are the same measurement.
6. Needles are sized by their \_\_\_\_\_ and \_\_\_\_\_.
7. A(n) \_\_\_\_\_ injection is injected into the larger muscles of the animal.
8. \_\_\_\_\_ and \_\_\_\_\_ are given as oral, intravenous or intramuscular injections when an animal is considered deficient in these areas.



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## Across

1. diseases incapable of spreading from animal to animal
3. antibody neutralizing toxin
9. injected into the large muscles, commonly the neck and thigh
13. injected directly in to the lung
14. injected into the skin
17. delivers larger doses repeatedly; ideal for vaccinating sows, steers and cows
20. injected into the vein
21. made of glass, plastic and metal; must be sanitized between each use
22. material is applied to the skin
23. substance containing live, modified or dead organisms; injected to build immunity from a disease caused by certain organisms, usually given intramuscular or subcutaneous
24. agent capable of destroying or severely inhibits microorganisms causing disease

## Down

2. injected directly into the heart
4. injected under the eyelid or into the cornea
5. having a resistance to a specific disease
6. to destroy or kill disease producing organisms
7. a germ-killing substance produced by a bacterium or mold, given to cure bacterial diseases, usually given orally, intravenous or intramuscular
8. injected under the skin (Sub Q)
10. injected into the thoracic area
11. capable of being passed from animal to animal
12. injected directly in the area around the spinal cord
15. mostly plastic, usually thrown away after use
16. type of medicine used to kill parasites, usually given orally or subcutaneously
18. given when an animal is deficient and is usually given orally, intravenous or intramuscular
19. poisonous substance of microbes, vegetables or animal origin

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