**Excellence in Exhibition: Preventing Disease in Animals and People**

**Lesson 1: Introduction to Influenza, Zoonoses, and Disease Risks**

**Disease Comparison Chart Worksheet**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Cause | Species Affected | Clinical Signs in Animals | Clinical Signs in Humans |
| Avian Influenza |  |  |  |  |
| Influenza A Virus of Swine Origin |  |  |  |  |
| Q fever |  |  |  |  |
| Salmonellosis |  |  |  |  |
| *E. coli* |  |  |  |  |
| Ringworm |  |  |  |  |
| Contagious ecthyma (Orf) |  |  |  |  |
| Cryptosporidiosis |  |  |  |  |
| Campylobacteriosis |  |  |  |  |

**Disease Comparison Chart Worksheet ANSWER KEY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Cause | Species Affected | Clinical Signs in Animals | Clinical Signs in Humans |
| Avian Influenza | Influenza A virus | Pet birdsPoultryMammals | DepressionRuffled feathersLack of appetiteWatery diarrheaSwollen combs and wattlesDecreased egg productionParalysisSudden Death | Swelling and reddening of the issues around the eyesFeverAchesCoughSore throatRunny noseHeadacheTiredness |
| Influenza A Virus of Swine Origin | Influenza A virus | TurkeysPigsMinkFerrets | FeverTirednessLack of appetiteWeight lossCoughingSneezingNasal dischargeLabored breathing | FeverAchesCoughSore throatRunny noseHeadacheTiredness |
| Q fever | *Coxiella burnetti* bacteria | SheepCattleGoats | AbortionInfertilitySmall offspringWeak offspring | FeverChillsNight sweatsHeadacheWeaknessChest painsPremature birth or miscarriage in pregnant women |
| Salmonellosis | *Salmonella* bacteria | PigsCattleHorsesPoultryReptiles | Often asymptomaticDiarrheaStomach painFeverDehydration | DiarrheaFeverCramping |
| *E. coli* | *Escherichia coli* bacteria | CattleSheepPigsDogsPoultry | Many do not become illDiarrheaEdema disease in pigs | Stomach painCrampingWatery or bloody diarrhea |
| Ringworm | Many species of fungi | BirdsDogsCatsCattleGoatsHorsesPigsSheep | Hair lossScalingCrustsRedness | ItchinessInflammationRednessScaling |
| Contagious ecthyma | Contagious ecthyma virus | CamelsAlpacasSheepGoats | Small raised bumps, sores, and blisters found on the lips, nose, ears, and eyelids | Single, small, firm, red to blue bump, sore, or blister that lasts for 3 to 6 weeks |
| Cryptosporidiosis | *Cryptosporidium parvum* parasite | All mammalsMore common in young animals | DiarrheaPoor appetiteWeight loss | Watery diarrheaStomach crampsPoor appetite |
| Campylobacteriosis | *Campylobacter jejuni* bacteria | CatsCattleDogsPigsPoultrySheep | DiarrheaDecreased appetiteVomitingFever | DiarrheaFeverVomitingStomach painHeadacheMuscle pains |