Use to amplify the specific gene of interest. This can be further analyze by gel electrophoresis

Use to determine gene expression based on molecular size separation

Gel Electrophoresis

PCR

Viruses

Test different pathogenic vectors to isolate culprit

How can it be treated?

Can it be prevented?

What are the symptoms?? 

Is it infectious?

Define the Disease

Q-PCR

Use with cDNA to study and amplify a specific RNA expression

Can be tested by

Use to study the presence or lack of antigens and antibodies in the sample of interest.

ELISA

Blood

Tissue

Fluids

Direct/Indirect

Air born

Fecal/Oral transmission

By first obtaining infected patients samples

Use lab technique in order to isolate the pathogen

If symptomatic:

Send infected to hospital and quarantine them.

**How will the CDC determine the pathogen of an aggressive infectious disease?**

Insects

Fungi

Bacteria

New develop medication

Already existing medication

Parasites