

**UNIT – 0- Scientific knowledge****1. What is science?**

science: ciencia

knowledge: conocimiento

scientific method: método científico

to check: comprobar

based on : basado en

hypotheses: hipótesis

experiments: experimentos

results: resultados

conclusions: conclusiones

problem: problema

facts: hechos

scientific laws: leyes científicas

theories: teorías

to propose: proponer

to confirm: confirmar

**2. Physics and chemistry**

purpose: propósito

physics: física

chemistry: Química

verifiable: verificable

physical changes: cambios físicos

chemical changes: cambios químicos

matter: materia

**3. Physical quantities. Units and measurement**

quantities: magnitudes

properties: propiedades

objectively: objetivamente

to measure: medir

how many times:  
cuantas veces

to fit: ajustar

width: ancho

by convention: por convención

fundamental magnitudes:  
magnitudes fundamentalesderived magnitudes:  
magnitudes derivadas**4. Measuring instruments. Error**

interval: intervalo/s

sensitivity: sensibilidad

systematic errors: errores sistemáticos

random errors: errores aleatorios

direct measurements:  
medidas directasindirect measurements:  
medidas indirectas**5. Multiples and submultiples**

Prefixed letters: prefijos

meter: metro

second: segundo

**6. The language of science**

equations: ecuaciones

data tables: tablas de datos

graphs: gráficas

directly or inversely  
proportional: directamente  
o inversamente  
proporcionalThe independent variable:  
la variable independienteThe dependent variable: la  
variable dependiente**5. Laboratory equipment.**

Stand: soporte

Flask: matraz

Bunsen Burner: mechero  
Bunsen

Air-vent: válvula de aire

Beaker: vaso de  
precipitadosClamp: abrazadera,  
mordaza

Gauze: rejilla

Tripod: trípode

Apparatus: aparato