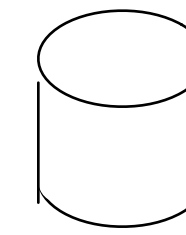


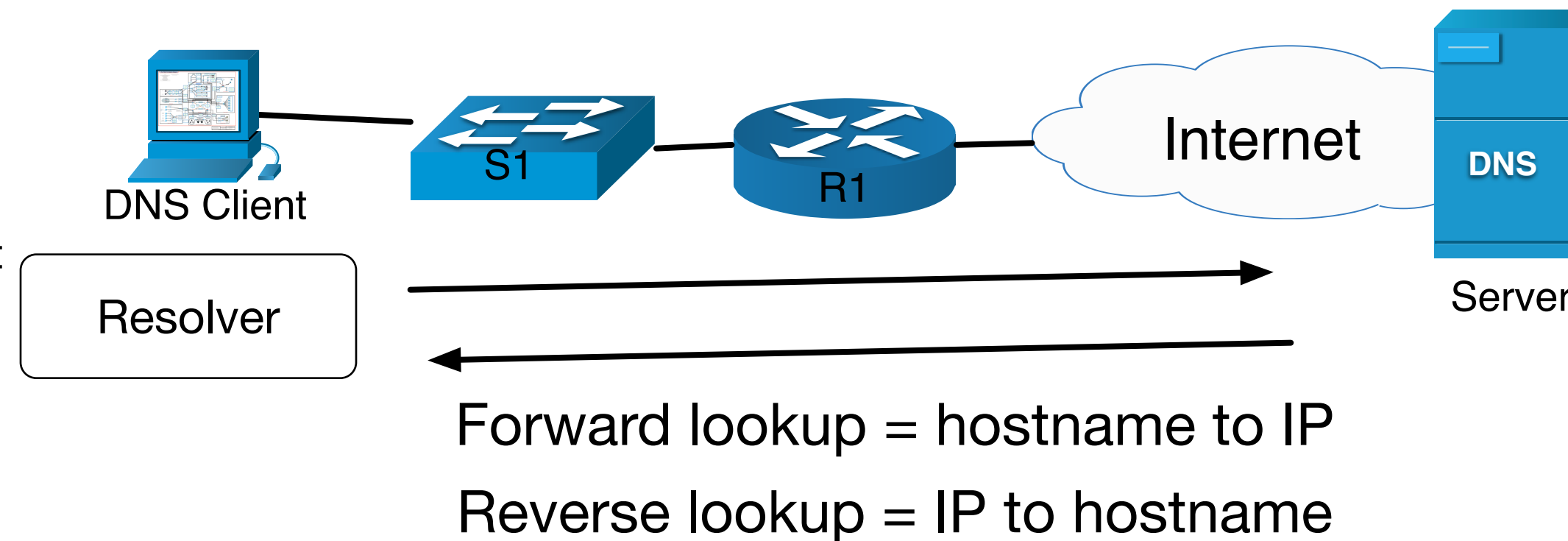


# DNS (Domain Name System)

Translates computer names to IPs (resolution)  
It is a distributed database



DNS clients run a  
**resolver**  
(a resolver is an application built  
into the computers Operating  
System used to make DNS  
queries)



## Domain Name Space

The Naming Scheme is organised  
into a tree like hierarchy

FQDN (Fully Qualified Domain  
Name) will give the exact location  
within the tree structure

Each level is separated by a dot .

**host1.test.mysite.com.**

Name	Type
.	Root Domain - top of the tree (typing this is optional)
.com	Top Level - type of organisation or geographical location (.govt, .co.uk)
.mysite	Second Level Domains - usually registered to an organisation
test	Subdomains - areas within an organisation (e.g. north or south)
host1	Host