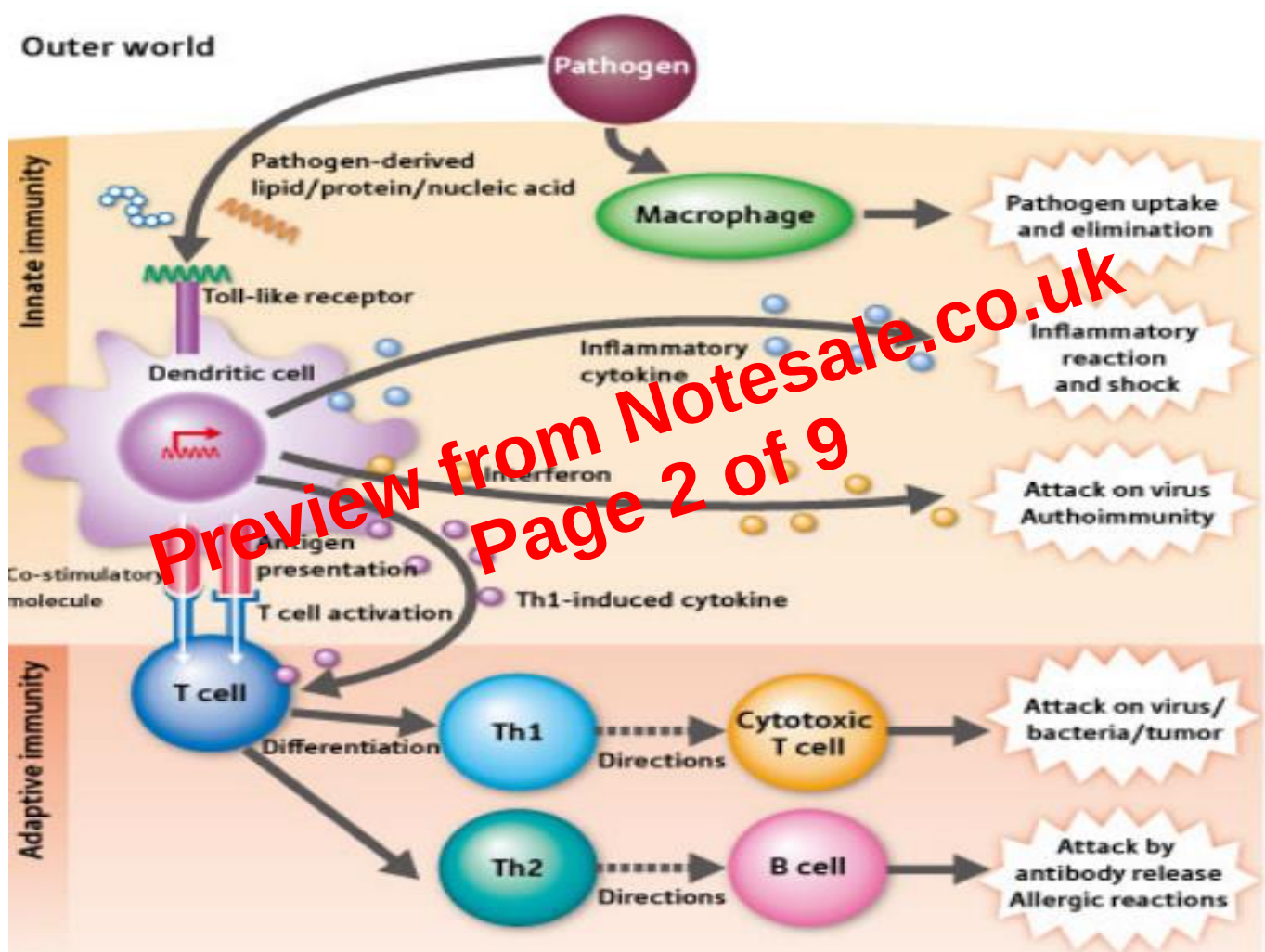


ROUTES OF INFECTION FOR PATHOGENS

- Pathogens enter body via mucosal surfaces such as: the airway (inhaled droplets and spores); gastrointestinal tract (contaminated water or food); reproductive tract (physical contact).
- Or they can enter via external epithelia such as: an external surface (physical contact); wounds and abrasions (minor skin abrasions, puncture wounds, handling infected animals); insect bites.

IMMUNE RESPONSES: INNATE IMMUNITY AND ADAPTIVE IMMUNITY



INNATE IMMUNE RESPONSE AT SITES OF INFECTION

1. Bacterial cell surface induces cleavage and activation of complement.
2. One complement fragment covalently bonds to the bacterium, the other attracts an effector cell.