**Product / Service:** Science Consumables

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|  | **Negative Impacts / Risks** |  | **Positive Opportunities** |
| **Environmental** | * Production – high carbon production process, including non-recyclable & non-renewable materials & water (impact on biodiversity / mining impacts)
* Vehicle fuel & emissions (carbon impact) – high order frequency of consumables (small volumes)
* Consumables may be delivered in excessive packaging
* Disposal of consumables (often one-off use – adding to landfill) – may include hazardous waste or require sterilisation prior to disposal
 | * Computer modelling techniques in research may avoid use
* Consolidated orders & reduced delivery frequency of consumables / consignment stock
* Low CO2 vehicles for delivery
* Reduce levels of packaging / use recycled packaging
* Consumables recycling / reuse
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| **Social** | * International manufacturing supply chains (potential for issues such as child labour / poor pay & working conditions / health and safety breaches)
* Frequency & timing of deliveries – congestion & noise impacting residents
 | * Consolidated orders & deliveries (including shared contracts)
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| **Economic** | * Potential duplication of purchases across multiple sites - disconnected orders / multiple delivery charges
* Poor inventory management may result in over-ordering of consumables / leftover stock / high storage costs
* Waste disposal costs
 | * Rationalise suppliers & deliveries
* Product standardisation
* Reduce waste through effective inventory management / redistribute over-orders of consumables internally
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**RELATED PROC HE:** DC / LK / LP / LS