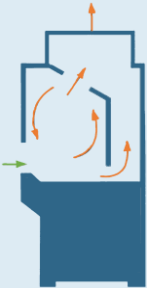
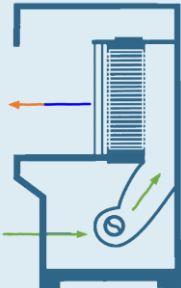
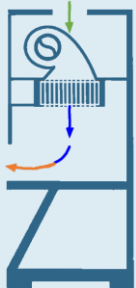
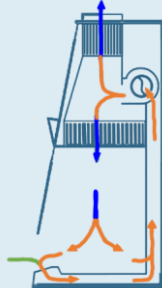
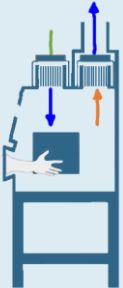


Lab Hoods and Cabinets

	Fume Hood	Horizontal Laminar Flow Hood	Vertical Laminar Flow Hood	Biological Safety Cabinet	Compounding Aseptic Containment Isolator
Airflow diagram					
Airflow description	Room air pulled into the hood and exhausted out of the building	Room air pulled into the hood, passed through a HEPA filter and exhausted horizontally over the work surface towards the worker and into the room	Room air pulled into the hood, passed through a HEPA filter and exhausted vertically onto the work surface and then out of the cabinet towards the worker and into the room	Room air pulled into the cabinet, passed through a HEPA filter, down onto the work surface, back through the HEPA filter, then either exhausted out of the cabinet or recirculated back onto the work surface	Room air pulled through a HEPA filter onto the work surface, then exhausted through a separate HEPA filter
Product protection	No ; the air passing over the work surface is room air and has not passed through a HEPA filter	Yes ; the air passing over the work surface has passed through a HEPA filter	Yes ; the air passing over the work surface has passed through a HEPA filter	Yes ; the air passing over the work surface has passed through a HEPA filter	Yes ; the air passing over the work surface has passed through a HEPA filter
Personal Protection	Yes ; contaminated air from the fume hood is exhausted through ductwork	No ; air becomes contaminated when blowing over the work surface, then exhausts into the face of the worker	No ; air becomes contaminated when blowing over the work surface, then exhausts into the face of the worker	Yes ; air from the cabinet passes through a HEPA filter before being exhausted into the room or through ductwork	Yes ; air from the cabinet passes through a HEPA filter before being exhausted through ductwork
Environmental protection	No ; contaminated air exhausted from the hood does not first pass through a HEPA filter	No ; contaminated air exhausted from the hood does not first pass through a HEPA filter	No ; contaminated air exhausted from the hood does not first pass through a HEPA filter	Yes ; exhausted air has been HEPA-filtered	Yes ; exhausted air has been HEPA-filtered