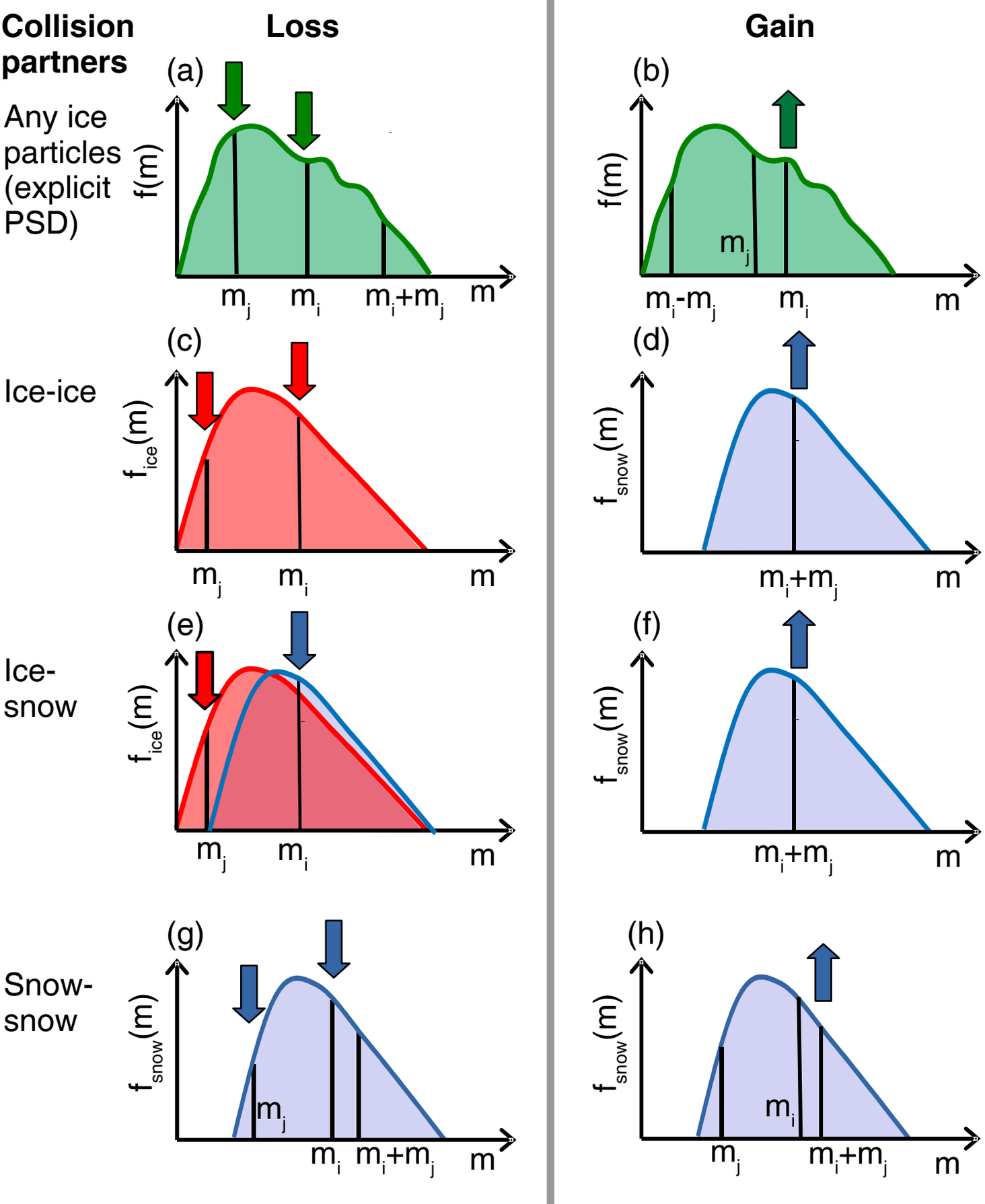

$$\frac{\partial Q}{\partial t} = 0$$
$$\frac{\partial N}{\partial t} < 0$$

$$\frac{\partial Q_i}{\partial t} < 0; \quad \frac{\partial Q_s}{\partial t} = -\frac{\partial Q_i}{\partial t}$$
$$\frac{\partial N_i}{\partial t} < 0; \quad \frac{\partial N_s}{\partial t} = -\frac{1}{2}\frac{\partial N_i}{\partial t}$$

$$\frac{\partial Q_i}{\partial t} < 0; \quad \frac{\partial Q_s}{\partial t} = -\frac{\partial Q_i}{\partial t}$$
$$\frac{\partial N_i}{\partial t} < 0; \quad \frac{\partial N_s}{\partial t} = 0$$

$$\frac{\partial Q_s}{\partial t} = 0$$
$$\frac{\partial N_s}{\partial t} < 0$$