

$$U(0) = \bar{U}$$

$$R(0) = r_0$$

$$P(0) = p_0$$

a long long time ago

*many thousands
of years later*

$$U(t) = \bar{U}$$

$$R(t) \rightarrow \bar{R}$$

$$P(t) \rightarrow \bar{P}$$

$$\lambda_u \bar{U} = \lambda_r \bar{R} = \lambda_p \bar{P}$$

← to smeltery

$$U(0) = \alpha \bar{U}$$

$$R(0) = \alpha \bar{R}$$

$$P(0) = \bar{P}$$

*extract the lead
(new paint)*

painting ages...

$$U(t) = \alpha \bar{U}$$

$$R(t) = \alpha \bar{R}$$

$$P(t) \rightarrow \alpha \bar{P}$$

*a few centuries later
(old paint)*