

**activity,  $A$** 

**Synonyms:** decay rate  
*of a radioactive material*

, disintegration rate  
*of a radioactive material*

*of a radioactive material*

The number of nuclear decays occurring in a given quantity of material in a small time interval, divided by that time interval. Often, this term is referred to as absolute activity.

Symbol  $A = -\frac{dN}{dt}$ . Synonymous with disintegration rate or decay rate.

**Source:**

PAC, 1994, 66, 2513 (*Nomenclature for radioanalytical chemistry (IUPAC Recommendations 1994)*) on page 2515

Green Book, 2nd ed., p. 22

PAC, 1996, 68, 957 (*Glossary of terms in quantities and units in Clinical Chemistry (IUPAC-IFCC Recommendations 1996)*) on page 960