

# **Exhibit 1**

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# Anthesis

From Wikipedia, the free encyclopedia

*For the concept, see Antithesis.*  
*Not to be confused with Enthesis.*

**Anthesis** is the period during which a flower is fully open and functional. It may also refer to the onset of that period.<sup>[1]</sup>

The onset of anthesis is spectacular in some species. In *Banksia* species, for example, anthesis involves the extension of the *style* far beyond the upper *perianth* parts. Anthesis of flowers is sequential within an *inflorescence*, so when the style and perianth are different colours, the result is a striking colour change that gradually sweeps along the inflorescence.<sup>[2]</sup>

Flowers with *diurnal* anthesis generally are brightly colored in order to attract diurnal insects, such as butterflies. Flowers with *nocturnal* anthesis generally are white or less colorful, and as such, they contrast more strongly with the night. These flowers typically attract nocturnal insects including many moth species.<sup>[3]</sup>

## References

- ↑ University of Wisconsin Extension (2009-07-30), *Anthesis (Flowering) in Wheat* , retrieved 2019-06-02
- ↑ Bhattacharya, Kashinath; Datta, Badal Kumar (January 1992), "Anthesis and pollen release : anthesis and pollen release of some plants of west bengal, india". *Grana*. **31** (1): 67–71. doi:10.1080/00173139209427828 . ISSN 0017-3134 .
- ↑ "Anthesis - an overview | ScienceDirect Topics" . *www.sciencedirect.com*. Retrieved 2019-06-02.

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*This botany article is a stub. You can help Wikipedia by expanding it.*

Categories: Plant physiology | Botany stubs

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The sequential anthesis of the individual flowers in this *Banksia menziesii* inflorescence has begun.





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# anthesis noun

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## Definition of *anthesis*

: the action or period of opening of a flower

## First Known Use of *anthesis*

circa 1823, in the meaning defined above

## History and Etymology for *anthesis*

borrowed from New Latin, borrowed from Greek *ánthēsis* "blooming," from *anthē-*, variant stem of *anthein* "to blossom, bloom" (verbal derivative of *ánthos* "flower") + *-sis* -SIS — more at ANTHO-

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### Time Traveler for *anthesis*

The first known use of *anthesis* was circa 1823

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Style: MLA

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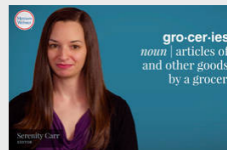


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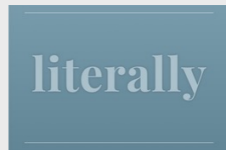
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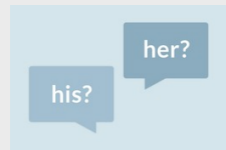
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# anthesis [an-thee-sis] [SHOW IPA](#)

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*noun, plural an-the-ses* [an-thee-seez] . *Botany.*

- 1 the period or act of expansion in flowers, especially the maturing of the stamens.

## WORDS RELATED TO ANTHESIS

[rash](#), [flowering](#), [folding](#), [developing](#), [redness](#)

## WORDS NEARBY ANTHESIS

[anthemius](#) of tralles, [anther](#), [antheridiophore](#), [antheridium](#), [antherozoid](#), [anthesis](#), [anesthesia](#), [anthill](#), [antho-](#), [anthocarpous](#), [anthocyanin](#)

## ORIGIN OF ANTHESIS

1825–35; < New Latin < Greek *ánthesis* bloom, equivalent to *anthē-* (verbid stem of *anthein* to bloom) + *-sis* -sis

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## EXAMPLES FROM THE WEB FOR ANTHESIS

These glands secrete a viscid juice at the time of *anthesis*.

A HANDBOOK OF SOME SOUTH INDIAN GRASSES | RAI BAHADUR K. RANGA ACHARIYAR

*Anthesis*, anthropocosmic— Say, I'm glad you didn't call me that!

LEFT GUARD GILBERT | RALPH HENRY BARBOUR

*Anthesis*, the period or the act of the expansion of a flower.

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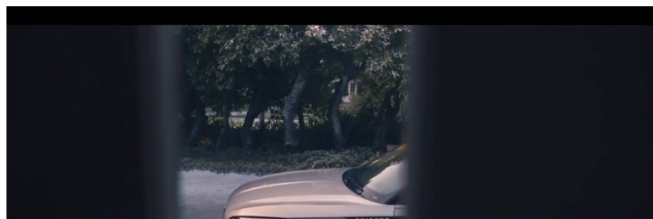
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BRITISH DICTIONARY DEFINITIONS FOR ANTHESIS

anthesis / (ænˈθiːsɪs) /

noun

- 1 the time when a flower becomes sexually functional

WORD ORIGIN FOR ANTHESIS

C19: via New Latin from Greek: full bloom, from *anthein* to bloom, from *anthos* flower

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SCIENCE DEFINITIONS FOR ANTHESIS

anthesis [ ăn-thē'sis ]

The period during which a flower is fully open and functional. Also called efflorescence

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