

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

- 10 number of carpels
- 9 number of stamens
- 8 number of petals
- 7 number of sepals
- 6 shape of carpels
- 5 shape of stamens
- 4 shape of flower/floret
- 3 shape of seed
- 2 shape of fruit
- 1 shape of leaf

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

- 10 number of carpels
- 9 number of stamens
- 8 number of petals
- 7 number of sepals
- 6 shape of carpels
- 5 shape of stamens
- 4 shape of flower/floret
- 3 shape of seed
- 2 shape of fruit
- 1 shape of leaf

Display: VASC136

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10		
not Caryophyllaceae	1	6	1	1	5	1	1	1	3	4	1	1	Caryophyllaceae
not Asteraceae	2	5	2	3	6	1	1	1	4	1	1	2	Asteraceae
not Ranunculaceae	3	6	4	1	5	1	1	1	2	3	1	3	Ranunculaceae
not Brassicaceae	4	4	3	1	5	1	1	1	6	2	1	4	Brassicaceae
not Geraniaceae	5	6	2	1	5	3	1	4	1	1	1	5	Geraniaceae

1 2 3 4 5 6 7 8 9 10

.....10 number of carpels

.....9 number of stamens

.....8 number of petals

.....7 number of sepals

.....6 shape of carpels

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.....3 shape of seed

.....2 shape of fruit

.....1 shape of leaf

10 number of carpels

9 number of stamens

8 number of petals

7 number of sepals

6 shape of carpels

5 shape of stamens

4 shape of flower/floret

3 shape of seed

2 shape of fruit

1 shape of leaf

Display: VASC1333

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

[illegible]

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10	
not Caryophyllaceae	1	2	1	1	4	1	1	5	6	1	3	1 Caryophyllaceae
not Asteraceae	2	5	6	1	4	1	3	2	1	1	1	2 Asteraceae
not Ranunculaceae	3	1	1	1	5	2	1	6	4	1	1	3 XXXXXXXXXX
not Brassicaceae	4	1	1	1	6	1	1	1	5	1	1	4 Brassicaceae
not Geraniaceae	5	1	1	1	1	4	1	5	6	1	1	5 Geraniaceae

10	number of carpels
9	number of stamens
8	number of petals
7	number of sepals
6	shape of carpels
5	shape of stamens
4	shape of flower/floret
3	shape of seed
2	shape of fruit
1	shape of leaf

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10	
not Caryophyllaceae	1	4	1	1	6	3	1	2	1	5	1	1 Caryophyllaceae
not Asteraceae	2	4	1	6	5	3	1	1	1	2	1	2 Asteraceae
not Ranunculaceae	3	1	5	1	6	3	1	4	1	1	1	3 Ranunculaceae
not Brassicaceae	4	3	6	1	5	1	1	4	1	2	1	4 Brassicaceae
not Geraniaceae	5	6	1	1	5	3	1	1	4	2	1	5 Geraniaceae

1 2 3 4 5 6 7 8 9 10

-10 number of carpels
-9 number of stamens
-8 number of petals
-7 number of sepals
-6 shape of carpels
-5 shape of stamens
-4 shape of flower/floret
-3 shape of seed
-2 shape of fruit
-1 shape of leaf

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10		
not Caryophyllaceae	1	6	1	4	1	5	3	1	1	1	1	1	Caryophyllaceae
not Asteraceae	2	1	5	6	3	4	1	1	1	1	1	2	Asteraceae
not Ranunculaceae	3	2	1	6	3	5	4	1	1	1	1	3	Ranunculaceae
not Brassicaceae	4	6	3	5	2	4	1	1	1	1	1	4	Brassicaceae
not Geraniaceae	5	6	5	4	2	3	1	1	1	1	1	5	Geraniaceae

1 2 3 4 5 6 7 8 9 10

	10	number of carpels
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	8	number of petals
	7	number of sepals
	6	shape of carpels
	5	shape of stamens
	4	shape of flower/floret
	3	shape of seed
	2	shape of fruit
	1	shape of leaf

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10	
not Caryophyllaceae	1	4	3	2	1	1	1	1	1	5	6	1 Caryophyllaceae
not Asteraceae	2	3	2	4	6	1	1	1	1	1	1	2 Asteraceae
not Ranunculaceae	3	6	1	1	1	2	1	4	5	1	3	3 Ranunculaceae
not Brassicaceae	4	1	3	6	4	5	1	1	1	1	2	4 Brassicaceae
not Geraniaceae	5	1	6	1	4	1	3	1	5	1	1	5 Geraniaceae

	1	2	3	4	5	6	7	8	9	10	
.....	10										number of carpels
.....		9									number of stamens
.....			8								number of petals
.....				7							number of sepals
.....					6						shape of carpels
.....						5					shape of stamens
.....							4				shape of flower/floret
.....								3			shape of seed
.....									2		shape of fruit
.....										1	shape of leaf

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10		
not Caryophyllaceae	1	1	6	1	2	3	1	5	1	1	1	1	Caryophyllaceae
not Asteraceae	2	4	6	3	1	5	1	1	1	1	1		Asteraceae
not Ranunculaceae	3	3	1	1	6	1	2	1	1	1	1		Ranunculaceae
not Brassicaceae	4	6	4	5	1	1	2	1	1	1	3		Brassicaceae
not Geraniaceae	5	4	1	3	6	1	1	1	2	1	5		Geraniaceae

10 number of carpels

9 number of stamens

8 number of petals

7 number of sepals

6 shape of carpels

5 shape of stamens

4 shape of flower/floret

3 shape of seed

2 shape of fruit

1 shape of leaf

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

[illegible]

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10		
not Caryophyllaceae	1	5	6	1	4	1	2	1	3	1	1	1	Caryophyllaceae
not Asteraceae	2	4	1	1	3	1	1	2	6	5	1	2	Asteraceae
not Ranunculaceae	3	1	6	1	4	5	1	1	2	3	1	3	Ranunculaceae
not Brassicaceae	4	4	6	3	5	1	1	1	1	1	2	4	Brassicaceae
not Geraniaceae	5	6	5	3	4	1	1	1	2	1	1	5	Geraniaceae

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 1 shape of leaf

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10	
not Caryophyllaceae	1	1	6	5	1	1	1	1	3	2	4	1 Caryophyllaceae
not Asteraceae	2	6	5	1	4	1	1	1	1	1	3	2 Asteraceae
not Ranunculaceae	3	3	6	1	5	4	1	1	1	2	1	3 Ranunculaceae
not Brassicaceae	4	6	5	4	1	1	1	1	2	1	3	4 Brassicaceae
not Geraniaceae	5	5	6	1	1	2	1	1	4	1	3	5 Geraniaceae

	1	2	3	4	5	6	7	8	9	10	
.....	10										10 number of carpels
.....		9									9 number of stamens
.....			8								8 number of petals
.....				7							7 number of sepals
.....					6						6 shape of carpels
.....						5					5 shape of stamens
.....							4				4 shape of flower/floret
.....								3			3 shape of seed
.....									2		2 shape of fruit
.....										1	1 shape of leaf

Display: MUSC1331

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

[illegible]

Display: MUSC1330

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10		
not Caryophyllaceae	1	1	1	3	5	1	2	4	1	6	1	1	Caryophyllaceae
not Asteraceae	2	1	6	4	5	1	1	1	3	1	1	2	Asteraceae
not Ranunculaceae	3	1	5	1	6	1	1	1	1	1	1	3	Ranunculaceae
not Brassicaceae	4	1	1	1	6	1	4	5	3	1	1	4	Brassicaceae
not Geraniaceae	5	1	4	1	6	1	1	3	5	1	1	5	Geraniaceae

1 2 3 4 5 6 7 8 9 10

-10 number of carpels
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-3 shape of seed
-2 shape of fruit
-1 shape of leaf

Display: MUSC1328

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10		
not Caryophyllaceae	1	1	5	4	1	3	6	1	2	1	1	1	Caryophyllaceae
not Asteraceae	2	6	1	4	1	5	1	1	1	2	3	2	Asteraceae
not Ranunculaceae	3	1	5	4	1	3	6	1	2	1	1	3	Ranunculaceae
not Brassicaceae	4	6	4	2	5	1	1	1	3	1	1	4	Brassicaceae
not Geraniaceae	5	5	1	6	4	1	3	1	1	1	2	5	Geraniaceae

1 2 3 4 5 6 7 8 9 10

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graph TD
    1 --- L1[shape of leaf]
    2 --- L2[shape of fruit]
    3 --- L3[shape of seed]
    4 --- L4[shape of flower/floret]
    5 --- L5[shape of stamens]
    6 --- L6[shape of carpels]
    7 --- L7[number of sepals]
    8 --- L8[number of petals]
    9 --- L9[number of stamens]
    10 --- L10[number of carpels]
  
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Display: MUSC1327

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

[illegible]

Display: MUSC1326

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10		
not Caryophyllaceae	1	3	4	1	1	2	6	1	1	5	1	1	Caryophyllaceae
not Asteraceae	2	6	1	4	1	5	1	1	1	2	3	2	Asteraceae
not Ranunculaceae	3	6	1	5	1	3	1	4	1	2	1	3	Ranunculaceae
not Brassicaceae	4	6	1	5	1	1	3	1	4	1	2	4	Brassicaceae
not Geraniaceae	5	1	3	6	1	1	1	2	1	4	5	5	Geraniaceae

10 number of carpels
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 8 number of petals
 7 number of sepals
 6 shape of carpels
 5 shape of stamens
 4 shape of flower/floret
 3 shape of seed
 2 shape of fruit
 1 shape of leaf

Display: MUSC1319+

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

A

not Caryophyllaceae 1 1 2 1 6 1 1 5 4 1 1 1 Caryophyllaceae
 not Asteraceae 2 2 1 1 6 1 1 5 4 3 1 2 Asteraceae
not Ranunculaceae 3 3 6 1 1 1 1 5 4 2 1 3 Ranunculaceae
 not Brassicaceae 4 1 2 1 6 1 1 4 5 3 1 4 Brassicaceae
 not Geraniaceae 5 2 1 1 3 1 1 5 6 4 1 5 Geraniaceae

1 2 3 4 5 6 7 8 9 10

.....10 number of carpels
.....9 number of stamens
.....8 number of petals
.....7 number of sepals
.....6 shape of carpels
.....5 shape of stamens
.....4 shape of flower/floret
.....3 shape of seed
.....2 shape of fruit
.....1 shape of leaf

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

[illegible]

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

[illegible]

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

[illegible]

Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10		
not Caryophyllaceae	1	4	3	6	1	1	1	2	1	5	1	Caryophyllaceae	
not Asteraceae	2	4	1	1	6	2	1	1	3	1	1	Asteraceae	
not Ranunculaceae	3	1	5	1	1	1	2	6	4	1	1	Ranunculaceae	
not Brassicaceae	4	2	6	4	1	1	1	3	1	1	5	Brassicaceae	
not Geraniaceae	5	5	3	1	1	1	4	1	2	1	6	Geraniaceae	

	1	2	3	4	5	6	7	8	9	10		
.....	:	:	:	:	:	:	:	:	:	:	10	number of carpels
.....	:	:	:	:	:	:	:	:	:	:	9	number of stamens
.....	:	:	:	:	:	:	:	:	:	:	8	number of petals
.....	:	:	:	:	:	:	:	:	:	:	7	number of sepals
.....	:	:	:	:	:	:	:	:	:	:	6	shape of carpels
.....	:	:	:	:	:	:	:	:	:	:	5	shape of stamens
.....	:	:	:	:	:	:	:	:	:	:	4	shape of flower/floret
.....	:	:	:	:	:	:	:	:	:	:	3	shape of seed
.....	:	:	:	:	:	:	:	:	:	:	2	shape of fruit
.....	:	:	:	:	:	:	:	:	:	:	1	shape of leaf

Display: MUSC1311
Elements: 10, Constructs: 5, Range: 1 to 6, Context: dicotyledon

		1	2	3	4	5	6	7	8	9	10		
not Caryophyllaceae	1	4	1	3	6	1	1	1	2	1	5	1	Caryophyllaceae
not Asteraceae	2	1	6	1	2	1	1	5	1	3	1	2	Asteraceae
not Ranunculaceae	3	4	1	6	1	5	1	1	1	2	1	3	Ranunculaceae
not Brassicaceae	4	3	1	1	6	1	2	1	1	1	1	4	Brassicaceae
not Geraniaceae	5	6	4	5	1	1	2	1	1	1	3	5	Geraniaceae

1

2

3

4

5

6

7

8

9

10

10

9

8

7

6

5

4

3

2

1

number of carpels

number of stamens

number of petals

number of sepals

shape of carpels

shape of stamens

shape of flower/floret

shape of seed

shape of fruit

shape of leaf