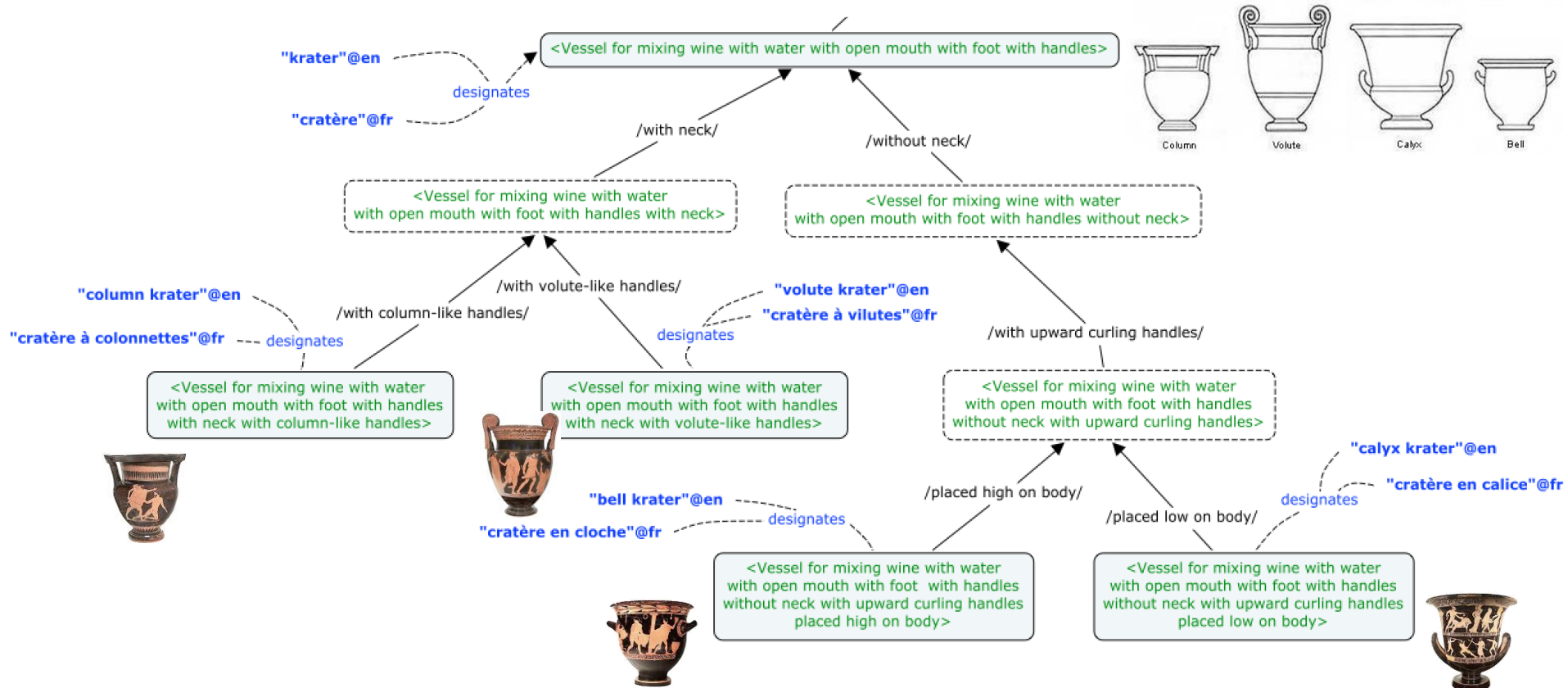


Ontoterminology Export in RDF: the example of Kraters

The term 'krater' suggests a mixing-vessel (compare Greek kerannumi - to mix), and we know that the wine served at the symposium was mixed with water. On vases decorated with symposium-scenes, a large open container with a foot is often depicted, and the name krater is appropriate. Examples can be traced back to the large Geometric examples that were used as grave-markers, and this funerary connection continues to be important. Excavations of burial-sites have shown that they could be used in Greek settlements overseas as containers of ashes, and South Italian, especially Apulian, volute-kraters often carry explicit funerary iconography. In the Athenian repertoire, there are four main types identified today: column-, volute-, calyx- and bell-. The psykter is a short-lived shape, used to cool the liquid. It is discussed here because it is often shown being used in kraters.

ClassicalArtResearchCenter – UniversityofOxford – www.beazley.ox.ac.uk/tools/pottery/shapes/kraters.htm



Volute Krater



E-Dictionary

Tedi Onto-Dictionary on "Ontoterminology of Vases" (en)

Date: 8 novembre 2020 - Time: 12:10:21 - Version: 2.1 - www.ontoterminology.com/tedi

search:

- amphora
- bell krater
- billy amphora
- calyx krater
- column krater
- hydra
- krater
- lekythos
- neck amphora
- panathenaic amphora
- panathenaic prize amphora
- pelike
- type A amphora
- type B amphora
- type C amphora
- vase
- volute krater

volute krater

Definition: Krater with a clearly defined neck and volute-like handles.

Status: preferred

Source: Expert

Note(s):

†) The volute-krater is named after its handles. The François Vase is a famous and early example, but the typical Athenian form occurs only later in the sixth century, with the handles tightly curled so that they look like the volutes on Ionic columns. The shape is also found in metal. Over the course of the fifth and fourth centuries, examples become slimmer, and Apulian volute-kraters from South Italy are particularly elaborate.

Classical Art Research Centre, University of Oxford. Accessible online <https://www.beazley.ox.ac.uk/tools/potteryshapes/volute.htm> 2020 05 08

Equivalent(s):

- fr: cratère à volutes (preferred)
- gr: κρατήρας ελικοειδής (preferred)

Concept: <Vessel for mixing wine with water with handle(s) with foot with open mouth with neck with a clearly defined neck with volute-like handles>

essential characteristic(s): /vessel, /for mixing wine with water/, /with handle(s)/, /with foot/, /with open mouth/, /with neck/, /with a clearly defined neck/, /with volute-like handles/

a kind of: <Vessel for mixing wine with water with handle(s) with foot with open mouth with neck with a clearly defined neck, linked to: <Place>, <Part volute-like handle>, <Neck>, <Foot>, <Handle>.

local depiction: <http://ontologies.irisimages.fr/images/ClassVase/Beazley-Volute-Krater.png>

local description: <http://www.beazley.ox.ac.uk/images/pottery/shapes/volute.jpg>

rdfa seeAlso: <http://www.beazley.ox.ac.uk/foaf/pottery/shapes/volute.htm>



skos exactMatch: <https://www.wikidata.org/wiki/Q11062937>

skos exactMatch: <http://purl.obolibrary.org/obo/00118856>

skos exactMatch: http://scaramekios.org/ids/volute_krater

Web reference: [Beazley Collection - Classical Art Research Centre - University of Oxford](https://www.beazley.ox.ac.uk/foaf/pottery/shapes/volute.htm)

Illustration: Volute krater from Classical Art Research Centre (Beazley)

Beazley Archive

RDF Format

```
<owl:Class rdf:about="#Vessel_for_mixing_wine_with_water_with_handles_with_foot_with_open_mouth_with_neck_with_a_clearly_defined_neck_with_volute-like_handles">
  <rdfs:label xml:lang="en">volute krater</rdfs:label>
  <skos:prefLabel xml:lang="en">volute krater</skos:prefLabel>
  <skos:definition xml:lang="en">Krater with a clearly defined neck and volute-like handles.</skos:definition>
  <skos:note xml:lang="en">"The volute-krater is named after its handles. The François Vase is a famous and early example, but the typical Athenian form occurs only later in the sixth century, with the handles tightly curled so that they look like the volutes on Ionic columns. The shape is also found in metal. Over the course of the fifth and fourth centuries, examples become slimmer, and Apulian volute-kraters from South Italy are particularly elaborate." Classical Art Research Centre, University of Oxford. Accessible online: https://www.beazley.ox.ac.uk/tools/potteryshapes/volute.htm 2020 05 08</skos:note>
  <rdfs:label xml:lang="fr">cratère à volutes</rdfs:label>
  <skos:prefLabel xml:lang="fr">cratère à volutes</skos:prefLabel>
  <skos:definition xml:lang="fr">Cratère avec cou, avec des anses en forme de volutes.</skos:definition>
  <rdfs:label xml:lang="gr">κρατήρας ελικοειδής</rdfs:label>
  <skos:prefLabel xml:lang="gr">κρατήρας ελικοειδής</skos:prefLabel>
  <skos:definition xml:lang="gr">Κρατήρας με λατόμ και ελικοειδέεις λαβές.</skos:definition>
</owl:Class>
```



233, ATHENIAN, Naples, Museo Archeologico Nazionale, STG688



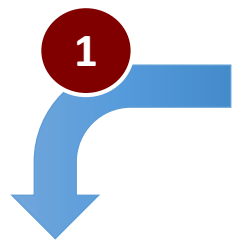
[View larger image] [Add to photograph album]

- **Vase Number:** 233
- **Fabric:** ATHENIAN
- **Technique:** RED-FIGURE
- **Shape Name:** KRATER, VOLUTE
- **Decoration:** A: RETURN OF HEPHAISTOS (?), DIONYSOS WITH THYRSOS, SATYRS, ONE PLAYING PIPES, ONE WITH LYRE, MAENADS, ONE WITH TORCH AND OINOCHOE, ONE WITH AMPHORA (?)
- **Neck A:** AMAZONOMACHY, AMAZONS IN PATTERNED SUITS, SOME WITH PELTAI, ONE ON HORSEBACK, WARRIORS, DEVICE, SNAKE, YOUTH IN CHLAMYD
- **Current Collection:** Naples, Museo Archeologico Nazionale: STG688
- **Publication Record:** Brommer, F., Hephaistos (Mainz, 1978): PL.6.1 (PART OF A)
- **AVI Web:** <https://www.avi.unibas.ch/DB/searchform.html?ID=5727>
- **AVI Record Number:** 5505
- **LIMC ID:** 26140
- **LIMC Web:** <http://ark.dasch.swiss/ark:/72163/080e-751614f70725f-4>
- **CAVI Collection:** Naples Stg. 688.
- **CAVI Lemma:** RF volute krater. Unattributed. Last quarter fifth.
- **CAVI Subject:** Neck: A and B: Amazonomachy. Body: A-B: fragmentary: Return of Hephaestus: Dionysos, Hephaestus, Simos, etc.
- **CAVI Inscriptions:** Dionysos. Simos.
- **CAVI Number:** 5505
- **AVI Bibliography:** BABD 233. — Heydemann (1872), 791-92[[/688]]. — Bothmer (1957), 229/9 bis. — Brommer (1978), pl. 6,1 (part of A).



<https://www.beazley.ox.ac.uk/XDB/ASP/recordDetails.asp?id=6A46BB09-3325-4737-A1F4-2A89C74DD7E3&noResults=&recordCount=&databaseID=&search=>

The Ontoterminology Process



RDF Export

<http://ontologia.fr/OTB/krater.rdf>

```
<?xml version="1.0" encoding="utf-8"?>
<!-- Ontoterminology: Ontoterminology of Vases -->
<!-- Author: Maria Papadopoulou -->
<!-- Creation date of ontoterminology: 28 avril 2019 -->
<!-- Export date: 28 décembre 2020 time: 00:07:22 -->
<!-- Generated by Tedi version: 2.5 - http://ontoterminology.com/tedi -->

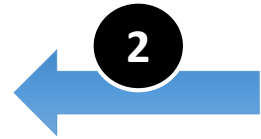
<rdf:RDF xmlns="http://www.ontologia.fr/OTB/krater#"
  xml:base="http://www.ontologia.fr/OTB/krater"
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:owl="http://www.w3.org/2002/07/owl#"
  xmlns:skos="http://www.w3.org/2004/02/skos/core#"
  xmlns:foaf="http://xmlns.com/foaf/0.1/"
  xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns:xml="http://www.w3.org/XML/1998/namespace"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema#"
  xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
  xmlns:otv="http://www.ontologia.fr/OTB/otv#"
  xmlns:vs="http://www.w3.org/2003/06/sw-vocab-status/ns#"
  xmlns:vann="http://purl.org/vocab/vann/"
  xmlns:ontolex="http://www.w3.org/ns/lemon/ontolex#"

  <!--
  ////////////////////////////////////////////////////////////////////
  //
  // SKOS
  //
  ////////////////////////////////////////////////////////////////////
  -->

  <!-- SKOS Concept Scheme -->

  <skos:ConceptScheme rdf:about="http://www.ontologia.fr/OTB/krater#"
    <dc:title>Ontoterminology of Vases</dc:title>
    <dc:description>Archaic and Classical Periods, from -700 BC to -323.
    The concepts of the ontology are linked with a skos:exactMatch to Getty Vocabularies, Wikidata and Kerameikos.
    The ontology of kraters is populated with all the kraters of the collection of the National Archeological Museum (NAM) in Athens representing metadata from the Beazley Archive Pottery Database. Each object is linked with a skos:ExactMatch to its web description in Beazley.</dc:description>
    <dc:issued rdf:datatype="http://www.w3.org/2001/XMLSchema#date">2019-4-28</dc:issued>
    <dc:modified rdf:datatype="http://www.w3.org/2001/XMLSchema#date">2020-12-27</dc:modified>
    <dc:creator>Maria Papadopoulou</dc:creator>
    <dc:publisher>Condillac</dc:publisher>
  </skos:ConceptScheme>
```

- RDF
- RDFS
- SKOS
- FOAF
- DC
- OntoLex
- OWL
- OTV



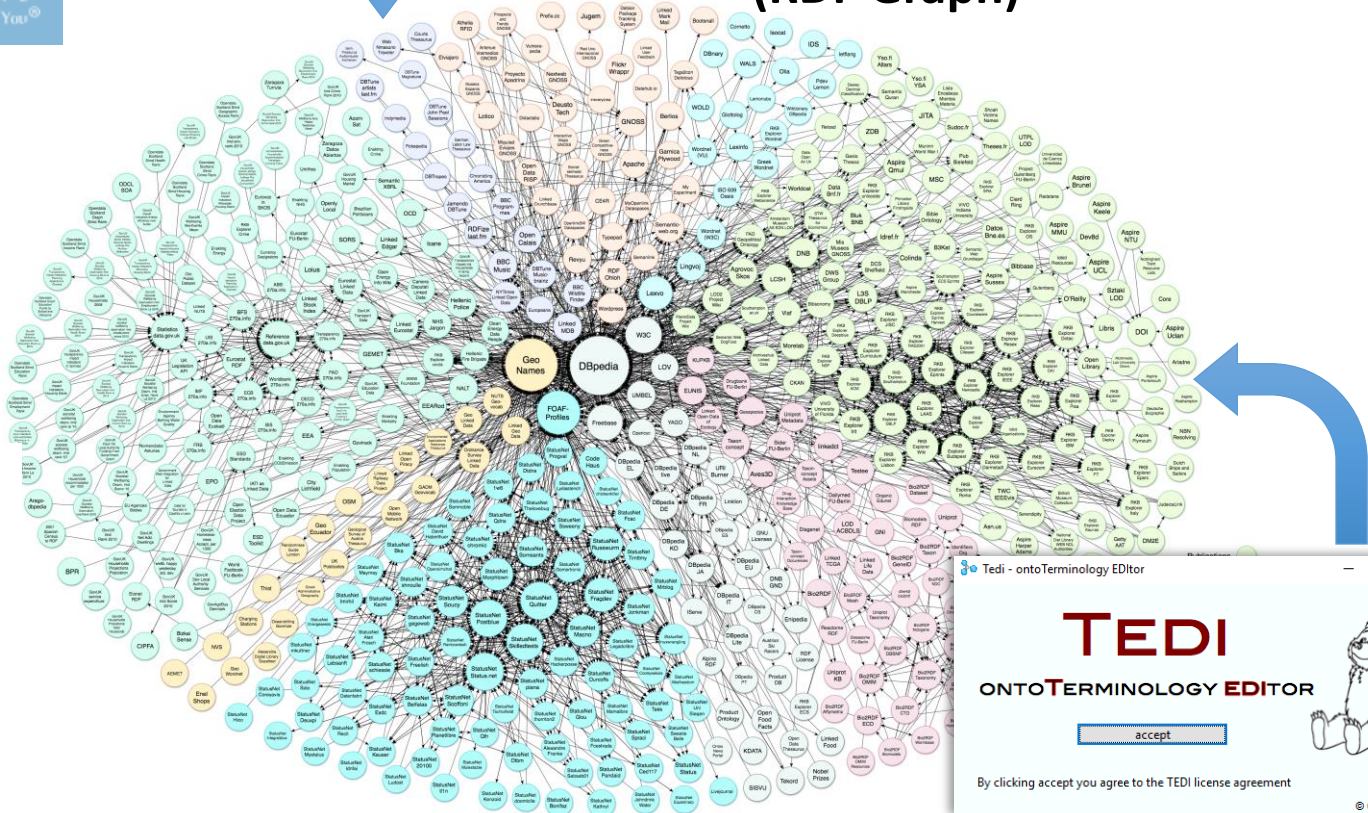
Protégé

Querying in SPARQL

SPARQL Query Editor



Knowledge Graph (RDF Graph)

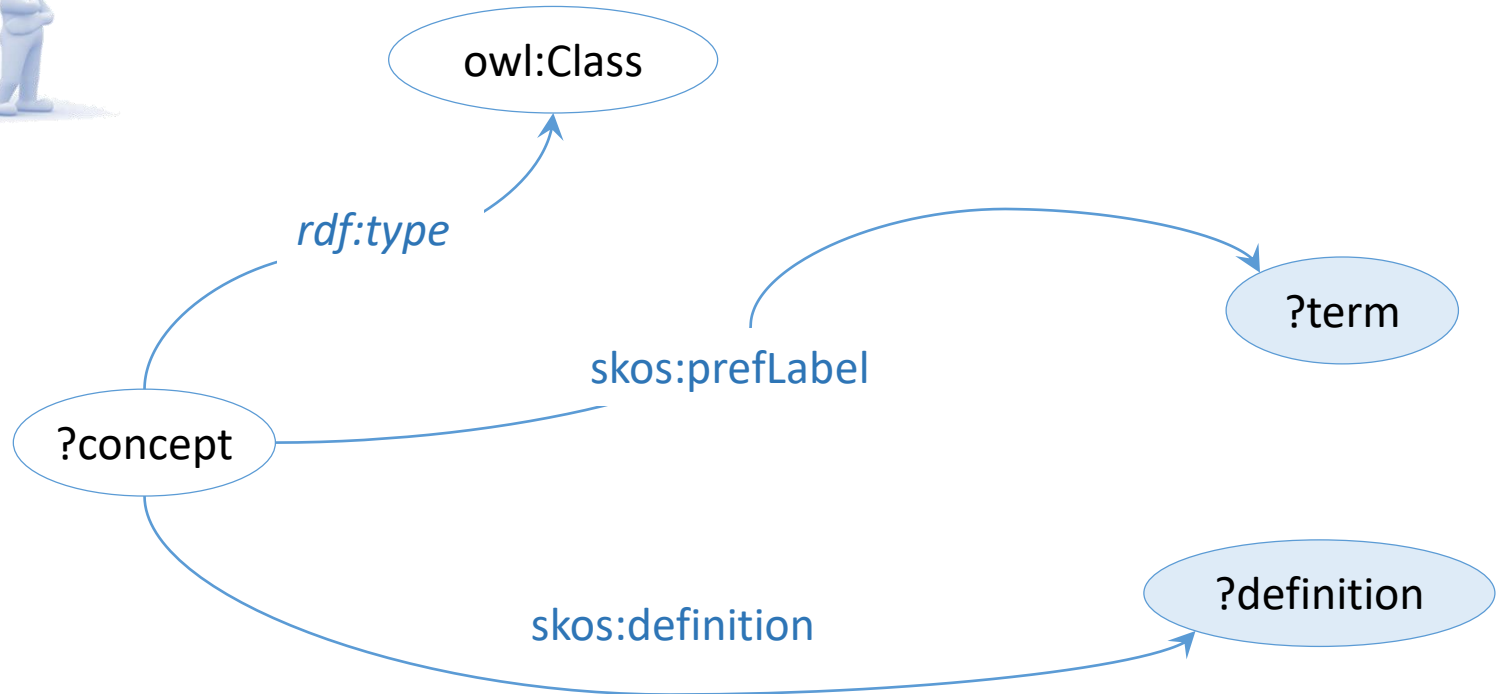


Protégé



Querying in SPARQL

Display the list of the terms in English with their definition



SPARQL Query Editor

<http://demo.openlinksw.com/sparql>



OpenLink Virtuoso SPARQL Query Editor



Not logged in. [Login](#)

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Default Graph URI

Run Query

Query Text

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX skos: <http://www.w3.org/2004/02/skos/core#>
SELECT ?term ?definition

FROM <http://www.ontologia.fr/OTB/krater.rdf>

WHERE { ?concept rdf:type owl:Class.
        ?concept skos:prefLabel ?term.
        ?concept skos:definition ?definition.
        FILTER (lang(?term) = 'en')
        FILTER (lang(?definition) = 'en')
      }

ORDER BY ?term

LIMIT 10
```

term	definition
"amphora"@en	"Vase with neck and two handles for storing and transport liquids and solids."@en
"bell krater"@en	"Krater without neck, with upward curling handles placed high on the body."@en
"belly amphora"@en	"Amphora with foot, without a clearly defined neck."@en
"calyx krater"@en	"Krater without neck, with upward curling handles placed low on the body."@en
"column krater"@en	"Krater with a clearly defined neck and column-like handles."@en
"hydria"@en	"Vase with neck and three handles, two for carrying and one for pouring, for storing
"krater"@en	"Large open container with a foot and handles, used in ancient Greece for mixing wine
"lekythos"@en	"Vase with neck for perfume."@en

Protégé

The screenshot shows the Protégé application window titled "krater (http://www.ontologia.fr/OTB/krater)". The interface includes a menu bar (File, Edit, View, Reasoner, Tools, Refactor, Window, Help), a breadcrumb trail (vase > cratère > Vessel_for_mixing_wine_with_water_with_handles_with_foot_with_open_mouth_with_neck_with_a_clearly_defined_neck > cratère à volutes), and a tabbed interface with "Active ontology", "Entities", "Individuals by class", "DL Query", "SPARQL Query", and "Classes".

The "SPARQL query:" panel contains the following query:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX skos: <http://www.w3.org/2004/02/skos/core#>

SELECT distinct ?term ?definition

WHERE {
  ?concept rdf:type owl:Class.
  ?concept skos:prefLabel ?term.
  ?concept skos:definition ?definition.
  FILTER (lang(?term) = 'en')
  FILTER (lang(?definition) = 'en')
}

ORDER BY ?term

LIMIT 10
```

The results are displayed in a table with two columns: "term" and "definition".

term	definition
"amphora"@en	"Vase with neck and two handles for storing and transport liquids and solids."@en
"bell krater"@en	"Krater without neck, with upward curling handles placed high on the body."@en
"belly amphora"@en	"Amphora with foot, without a clearly defined neck."@en
"calyx krater"@en	"Krater without neck, with upward curling handles placed low on the body."@en
"column krater"@en	"Krater with a clearly defined neck and column-like handles."@en
"hydria"@en	"Vase with neck and three handles, two for carrying and one for pouring, for storing and transport water."@en
"krater"@en	"Large open container with a foot and handles, used in ancient Greece for mixing wine with water."@en
"lekythos"@en	"Vase for perfume for oil, with narrow neck, with one handle."@en
"neck amphora"@en	"Amphora with foot, with a clearly defined neck."@en
"panathenaic prize amphora"@en	"Vase with foot, two handles, and neck, which served as prize in the Panathenaic games. Its names comes from its shape